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# DRUG & CHEMICAL MARKETS

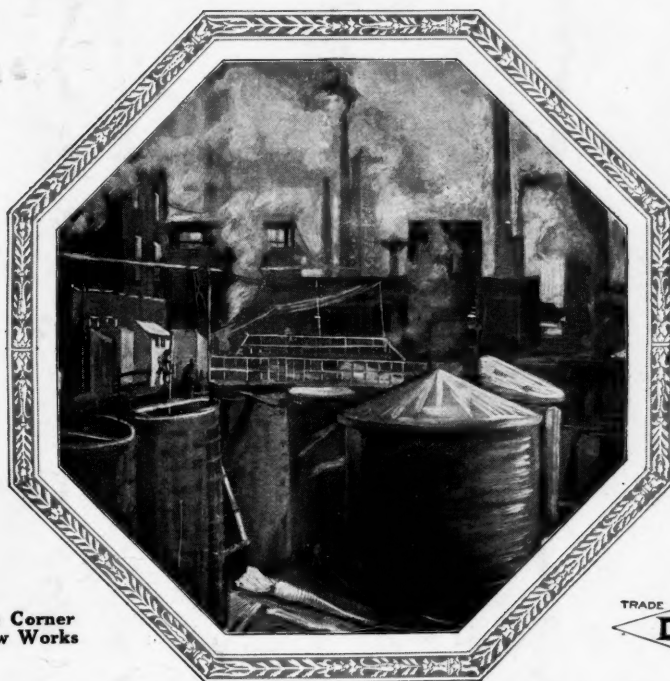
Established 1914

A Weekly Business Paper and Prices Current on  
Chemicals, Drugs, Colors, and Aromatics

VOLUME XV

NEW YORK, JULY 16, 1924

NUMBER 3



An Active Corner  
of the Dow Works



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**In This Issue** { *Manufacturers on Dye Tariff Cut*  
*Chemical Production and Demand*

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THAT delicacy—that character-  
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turing details have been perfected.

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## DRUG & CHEMICAL MARKETS

Published Every Wednesday by

**DRUG & CHEMICAL MARKETS, INC.**

Williams Haynes, President

Ira P. MacNair, Secretary

F. F. Burgin, Treasurer

Publication Office

3 PARK PLACE, NEW YORK, U. S. A.

Telephone 0440 Barclay

Cable Chemmarket

Entered as second-class matter, Dec. 7, 1914, at the post office at New York, N. Y., under the Act of March 3, 1879.

### SUBSCRIPTION RATES

United States, Cuba and Mexico, \$4.00 a year; Foreign \$5.00 a year, payable in advance. Current Copies, 10 cents. Back Copies, 25 cents. A Binder for this Journal @ \$1.00 Postpaid.

VOLUME XV

NUMBER 3

## The Week in Brief

### News

American manufacturers agree that the September reduction in the coal tar tariff will have little effect on low-priced items.

The Mexican vanilla crop for 1924-25 has had a good start owing to plentiful rains.

On protest of Ungerer & Co. versus the United States liquid resins were granted free entry under paragraph 1584, Tariff Act of 1922.

Cresylic acid, cresoles, formaldehyde and corrosive sublimate, used as disinfectants in connection with the hoof and mouth disease in the West, are in unusual demand.

### Markets

Mid-summer finds business in heavy chemicals no slower than it has been for three or four months past. In fact, demand for small quantities is apparently improving slowly. Competition continues to bring price shading in some products, although the elimination of distress goods is reported progressing steadily.

In an easy market for coal-tar crudes and intermediates, benzol and associated solvents are the outstanding strong spot with supplies limited and production 50 per cent of normal. Naphthalene, pyridine, and others are easier. General competition continues very keen.

Oils have maintained a steady tone during the week with general sentiment again showing improvement. Chinawood oil recovers on bullish reports from China. Buyers are showing more interest. Linseed oil continues firm.

Fine chemicals show little change over last week with exception of imported cream tartar, which is becoming scarce, and higher prices are freely predicted. Mercury and menthol are easy.

Essential oils are in small demand with oils, cedar wood, citronella, cassia, and peppermint, showing considerable strength on spot. Oils caraway, orange and bergamot are easy.

Crude drugs show little disposition to recover from Mid-summer dullness. Mexican sarsaparilla root imports were heavy last week. Cascara sagrada weakens and is now quoted at 11c lb. f.o.b. inland points.



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New York City

# DRUG & CHEMICAL MARKETS

VOLUME XV

NEW YORK, JULY 16, 1924

NUMBER 3

## WHEN COST AND SELLING PRICE MEET

Only recently, the drug market has seen in the case of cascara sagrada one of the best examples of the difficulties in basing selling price of finished articles on the cost of raw materials. When cascara sagrada bark was selling for ten or twelve up to eighteen cents per pound, manufacturers of fluid extract, pills, tablets, and proprietary products containing this article, sold at prices comparable with the cost of cascara, and other ingredients. When the cost of bark sky-rocketed, some prices were advanced by pharmaceutical manufacturers, but nowhere in proportion to the two hundred per cent rise in cascara. The majority of manufacturers absorbed most of the rise in bark, trusting that the price would eventually settle back to previous levels.

In the instance of cascara, the situation is further complicated by the fact that bark is held three years by some manufacturers before using, while others buy aged bark on the open market as needed. This means that one consumer may be using bark costing ten cents and another thirty. To keep changing the price of a finished product every time the market for one of the ingredients fluctuates is impossible. Manufacturers are compelled to make their prices on finished goods over fairly long periods of time, based not only on cost but on competitive conditions as well. This is true in almost any drug product whose raw materials are seasonal and sold in a trading market.

Buyers are too frequently ready to call for a reduction of price in finished goods immediately following any drop in cost of the raw material. Too infrequently do they look back and realize that some former advance in raw material has been partially or in whole absorbed by the manufacturer, nor do they note that an advance in raw material is not always followed by an immediate advance in the finished product. Sometimes, prices do appear too high when compared with raw material cost, but, then, there are other times when cost and selling price meet. In time, competition forces the two to equalize each other.

## IS A PRICE WAR IN DYES COMING?

Germany's production of dyes is now only two-thirds the output in 1913, and her exports are only one-half the exports before the War. The Dye Cartel finds the world markets limited, owing to the development of the industry in the United States, England, France, and Japan. By making an agreement with the British Dyestuff Corporation the German manufacturers hope to regain part of the lost markets in England and her colonies,

and apparently plans to effect a similar policy in the United States and France. In Italy the entering wedge has been driven and Germans are in control of the two largest dye plants. Can anyone fail to guess the result?

Has the lesson of full-line forcing been forgotten? The story has been told in Government reports repeatedly and is confirmed in all consuming industries in the United States. The dye tariff was adopted to circumvent these unfair practices, but in September the rates will be automatically reduced from 55 per cent ad valorem to 40, and from 60 per cent to 45. German manufacturers can then compete more successfully with American producers who are making certain high-priced colors. Having again obtained a hold on consumers who need special colors, will they be able to force them to use a full line of German colors by refusing to sell them the high-priced specialties except along with their requirements for bulk colors?

The effect of reduction in tariff rates along this line will therefore be watched with keen interest. Opinions on the result vary. Importers say that German manufacturers will increase prices on vat colors to offset the lower tariff. Domestic manufacturers believe that tonnage colors, like sulfur black, will not be affected as prices are very low. On other dyes a readjustment of prices is expected in order to meet German competition.

Lower labor costs abroad give the foreign manufacturer his best advantage on products selling at high prices. In the United States these colors are made in small volume, while Germany, with years of laboratory and plant experience and a larger production, can presumably make the more expensive dyes cheaper. Whether production by American manufacturers will be reduced is another question. Companies without efficient processes and aggressive sales ability will be forced out of business, or may be amalgamated with other corporations, reducing the number of manufacturers to a few organizations, financially powerful, as in Germany.

## OH, BE A SPORT!

Attacking the United States Tariff Commission in an editorial on the increase in duty on sodium nitrite the "Norges Handels og Sjøfartstidende" says: "The handling of one particular commodity has created any amount of hard feelings in Norway on account of the apparent unfairness. We refer to nitrite where the United States a short while ago increased the duty under the so-called flexible clause of the tariff by 50 per cent, or from 3c per pound to 4.5c per pound. This product carried a duty of half a cent per pound in the previous tariff. In other words, the duty was in

creased nine times. This is quite some protection for a factory which is unable to take care of its own country's consumption."

Every nation protects its industries from unfair competition either in the form of dumping or due to lower wage scales which make it possible to force domestic factories to close. No one denies the right of this country to enact a tariff law. The only kickers are foreign manufacturers who cannot dispose of their surplus stocks, produced at such low cost that they can be sold in the United States at a lower price than the goods can be made here. Norway has tariffs framed for the same purpose and should play the game with fairness and take losses in a sportsmanlike spirit.

#### CHEMICAL PRODUCTION AND DEMAND

Production in basic industries in the United States on July 1 was just about on a par with the average general production for the whole year of 1919. The first six months of 1924 were marked by an output of basic materials such as steel, cotton goods, coal, cement, and the like, above the average level of 1919. In fact, during February, production was twenty per cent over the so-called normal 1919 figures. March, April, May, and June have seen a steady decline in output as all productive operations slowed down. A year ago on July 1, production in the same industries was some twenty-two per cent above the present figures and the 1919 "normal." Harking back to 1921, however, basic industries showed a seventy-five per cent production.

All the foregoing figures, which were compiled by the Federal Reserve Board, indicate a peculiar condition when compared with the activities of chemicals over the same periods. Needless to say, chemicals are in demand when general business is good, for when general business is good, industrial production is high. With demand active, chemical prices should move up. Peculiar as it may seem, however, the exact reverse of this has been true over the past three years. While general industrial production has scored a net gain from seventy-five per cent up to a hundred per cent from 1921 to 1924, the same period has brought a net loss in chemical prices.

Chemicals are consumed in all industrial operations, directly or indirectly. In spite of the fact that business has slumped off since the first of this year, the total has been well above the levels

of 1921 or 1922. Obviously, the price decline in chemicals, especially industrial chemicals, has come from a too rapid expansion of production and its attendant competition. The responsive chemical industry has always been more ready to expand than contract. The termination of each wave of expansion has left its numerous burnt fingers. In time, chemical prices may equalize with general commodity levels, and something akin to stability may reign. In the meantime, however, it behooves every chemical consumer to add to his nightly prayers the plea that this day may be long postponed, and that suspicion, secrecy, shortsightedness may continue to dominate the chemical industry.

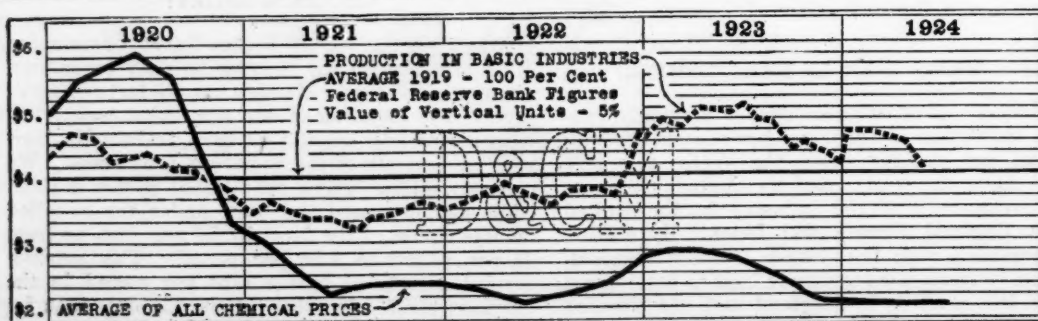
#### Many Men: Many Minds

A Chinese truck driver recently presented the following bill: 10 goes, 10 comes, at 50 cents a went, \$5.—Winnipeg Mirror.

Gen. T. Coleman du Pont: "Business throughout the country, in my opinion, is good and conditions are fundamentally sound. I look for an advance in business over the last half of the year."

"It is no secret to anybody exporting to the United States that the attitude adopted by that country toward foreign manufacturers has become intolerable. The United States Tariff Commission is reported to have appointed an investigator for the northern European countries. The mere thought of a Government official being designated for the purpose of undertaking "fishing" expeditions in foreign manufacturers' books is repulsive to anybody with self respect and it was noted with great satisfaction that the manufacturers who were to be the first objects of investigation flatly refused to admit any interference from the United States representative."—Norges Handels og Sjøfartstidende.

Sericulture. under the encouragement of Louis Philippe, had produced 20,000,000 cocoons a year in France, representing 100,000,000 francs. Suddenly this wealth was destroyed by a plague which prevented the worms from maturing. To stamp out the plague Louis Pasteur devised a simple method. At the time when the moths left their cocoons and mated the cultivator separated them and placed each female on a little square of linen where it laid its eggs. The moth was afterward pinned to the same square where it dried. Later in the autumn the withered moth was moistened in a little water and pounded in a mortar, and the paste was examined in a microscope. If the least trace of the disease appeared the linen was burned together with the seed which perpetuated the disease.

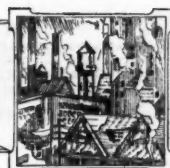






# Industrial Chemical

## SECTION



### June Dye Imports Smallest This Year

Total Received at the Port of New York 147,380 Pounds, Valued at \$151,331, Compared With 167,245 Pounds Valued at \$165,521, in May—Five Leading Colors are Trisulphon Brown, Ciba Violet B, Alizarin Blue Black, Indanthrene Golden Orange R, and Indanthrene Golden Orange G—Imports of Synthetic Aromatic Chemicals, Color Lakes, Medicinals, Photographic Developers and Intermediates

The imports of coal-tar dyes for June 1924, through the port of New York totaled 147,380 pounds, with an invoice value of \$151,331. In addition, imports reported through other ports were as follows: Providence, 3,644 pounds, with a value of \$3,327; Philadelphia, 1,500 pounds, with a value of \$1,680; and Boston, 495 pounds, with a value of \$519; according to the Chemical Division of the Bureau of Foreign and Domestic Commerce working in collaboration with the Chemical Division of the Tariff Commission.

The imports of dyes through New York so far this year were as follows:

Month	Pounds	Value
January	288,743	\$232,571
February	158,874	176,657
March	293,862	302,016
April	174,880	182,253
May	167,245	165,521
June	147,380	151,331

The five leading dyes by quantity, imported in June were:

	Pounds
Trisulphon brown	9,832
Ciba violet B	9,259
Alizarin blue black	7,951
Indanthrene golden orange R	7,422
Indanthrene golden orange G	6,990

#### Key to abbreviations

##### 1. The six leading German Companies

A....Actien-Gesellschaft fur Anilin-Fabrikation, Berlin. Founded 1873. Branches in France and Russia.

B....Badische Anilin- und Soda-Fabrik, Ludwigshafen on the Rhine. Founded 1862. Branches in France and Russia.

By....Farbenfabriken vorm. Friedr. Beyer & Co., Leverkusen on the Rhine. Founded 1862. Branches in France and Russia.

C....Leopold Cassella & Co., Frankfurt on the Main. Founded 1870. Branches in France and Russia.

K....Kalle & Co., A. G., Biebrich on the Rhine. Founded 1870. Branches in Russia.

M....Farbwerke vorm. Meister Lucius & Bruning, Hoechst on the Main. Founded 1862. Branches in France and Russia.

##### 2. The seven smaller German Companies

BK....Leipziger Anilinfabrik Beyer & Kegel, Furstenberg near Leipzig. Founded 1882.

GG....Chemikalienwerk Griesheim G.m.b.H., Griesheim on the Main. Founded 1881.

CJ....Carl Jager G.m.b.H., Anilinfabrik, Dusseldorf. Founded 1823.

GrE....Chemische Fabrik Griesheim-Electron, Offenbach on the Main. Founded 1842.

L....Farbwerk Mulheim vorm. A. Leonhardt & Co., Mulheim on the Main. Founded 1879. Branch in France.

LM....Chemische Fabriken vorm. Weiler ter Meer, Uerdingen on the Rhine. Founded 1877.

WD....Wulff, Dahl & Co., A. G. Barmen. Founded 1842.

##### 3. Dutch, Belgian and French Companies

FA....Farbwerk Ammersfoort, Ammersfoort, Netherlands. Founded 1888.

NF....Niederlandische Farb- und Chemikalienfabrik (Delft), Netherlands (Delft). Founded 1897. Branch in Russia.

LG....Lazard Godchaux, of Brussels. (These products are probably compounded largely from the dyes made by A. Wiescher & Co., of Haaren, Belgium.)

P....Societe Anonyme des Matieres colorantes et produits chimiques St. Denis (formerly A. Poirrier), St. Denis, near Paris, France. Founded 1830.

##### 4. Swiss Companies, all at Basel

DH....Farbwerke vorm. L. Durand, Huguenin & Co. Founded 1871. Branches in Germany and France.

G....Anilinfarben- und Extract-Fabriken vorm. Joh. Rud. Geigy. Founded 1764. Branches in France, Germany, and Russia.

I....Gesellschaft fur chemische Industrie. Founded 1885. Branch in France.

S....Chemische Fabrik vorm. Sandoz & Co. Founded 1887.

##### 5. English Companies

CICo....The Clayton Aniline Co. (Ltd.), Clayton, near Manchester. Founded 1876. Clayton, near Manchester. Founded 1890.

CV....Colne Vale Chemical Co., Milnebridge, near Huddersfield.

RHS....Read Holliday & Sons (Ltd.), Huddersfield. Founded 1830. (Purchases by British Dyes (Ltd).)

BD....British Dyes (Ltd.). Founded 1915.

Lev....Levinstein (Ltd.) Crumpsall Vale, near Manchester. Founded 1864.

Q....Imports of unknown source through dealers in colors.

#### The list of dyes follows:

No.	Dye & Maker	Quantity Pounds
28	Hansa yellow G	250
	Hansa yellow G pdr.—M	
58	Alizarin yellow R	500
	Ultra orange R—S	
88	Acid anthracene brown	441
	Acid anthracene brown PG—By	
139	Orange IV	10
	New yellow extra conc.—By	
177	Mordant yellow	200
	Milling yellow O—M	
227	Brilliant croceine	100
	Brilliant croceine BBX ex.—K	
286	Cotton yellow	1,112
	Benzo fast yellow RL—C—B	
	Benzo fast yellow 4GL—By	
	Benzo fast yellow RL—By	
319	Diamine scarlet	50
	Diamine brilliant bordeaux R—C	
326	Oxydianiline violet	1
	Oxydianiline violet BF—C	
339	Brilliant orange G	500
	Diamine orange B—C	
354	Direct gray R	1,455
	Direct gray R paste—G	
424	Chicago blue 6B	10
	Dianil pure blue PH—M	
435	Janus brown	50
	Janus brown B—M	

Schultz No.	Dye & Maker	Quantity Pounds
449	Trisulphon brown	9,832
	Trisulphon brown B conc.—nc—S	
494	Auramine G	226
	Auramine G—By	
	Auramine G—1	
496	Setoglaurine	1,103
	Setoglaurine 783—nc—G	
503	Neptune green	441
	Erioviridine B supra—C—G	
507	Xylene blue VS	1,984
	Xylene blue VS conc.—C—S	
509	Chrome green	20
	Chrome green BD extra—By	
	Chrome green GD extra—By	
512	Magenta	100
	Magenta AB pdr.—C—B	
516	Crystal violet	922
	Crystal violet extra pdr.—B	
	Crystal violet P—By	
539	Soluble blue	50
	Cotton blue No. 2 conc.—M	
541	Brilliant dianil blue 6G	220
	Direct brilliant blue 8B—I	
543	Patent blue	3,967
	Kiton pure blue V—nc—I	
545	Patent blue A	250
	Poseidon blue BXX—C—B	
551	Eriochrome azurol B	2,756
	Eriochrome azurol BX conc.—G	
571	Rhodamine 6G	464
	Rhodamine 6G extra—I	
	Rhodamine 6GDN extra—nc—Q	
573	Rhodamine B	780
	Rhodamine B extra—C—B	
	Rhodamine B extra—M	
608	Euchrysine	334
	Patent phosphine GRNTN—C—B	
622	Delphine blue B—Q	110
637	Anthracyanine	771
	Chromacetine blue S—nc—DH	
	Chromacetine blue S extra—DH	
663	New methylene blue	500
	New methylene blue NSS—nc—C	
681	New fast gray	220
	Malta gray J—P	
687	Rosolane O, T, R	10
	Rosolane O—M	
748	Hydron blue	11
	Hydron blue G paste—C—By	
759	Anthraflavone G (s.s.)	353
	Anthraflavone GC pdr.—nc—B	
760	Indanthrene golden orange G (s.s.)	6,990
	Helindone golden orange IG dbl. paste—M	
	Vat golden orange G dbl. paste—B	
	Vat golden orange G pdr.—B	
761	Indanthrene golden orange R (s.s.)	7,422
	Indanthrene golden orange RRT paste—B	
	Vat golden orange RRT paste—nc—B	
	Vat orange RRT paste—B	

Schultz No.	Dye & Maker	Quantity Pounds
762	Indanthrene scarlet G (s.s.)	400
	Vat orange 4R pdr.—B	
767	Indanthrene violet RR (s.s.)	419
	Vat brilliant violet RR paste—B	
774	Alizarin black	500
	Alizarine black WR pdr.—B	
779	Alizarin orange (s.s.)	1,814
	Alizarine orange R pdr.—By	
	Alizarin orange RP paste—By	
780	Alizarin red	497
	Alizarin red S pdr.—By	
782	Alizarin brown	4,938
	Anthrone brown RD paste—C	
794	Cibacene black	2,202
	Cibacene black B paste—I	
	Cibacene black 2G pdr.—I	
795	Cibacene yellow R	1,102
	Cibacene yellow R paste—I	
804	Alizarin blue S	2,000
	Alizarin blue S pdr.—By	
822	Algal brilliant orange FR (s.s.)	5,523
	Vat brilliant orange FR paste—B	
	Vat orange RRK paste—By	
830	Indanthrene red R (s.s.)	1,926
	Anthra red RT dbl. paste—B	
831	Indanthrene red BN (s.s.)	666
	Vat red RK paste—B	
832	Indanthrene violet RN (s.s.)	1,793
	Vat violet BN paste—B	
833	Algal olive R (s.s.)	920
	Algal olive R pdr.—By	
834	Algal gray (s.s.)	6
	Vat gray GK paste—By	
838	Indanthrene blue RS (s.s.)	1,200
	Indanthrene blue RS tr. pdr.—C—B	
841	Indanthrene blue GGS (s.s.)	1,760
	Vat blue GGSZ dbl. paste—B	
842	Indanthrene blue GCD (s.s.)	2,808
	Indanthrene blue GCD dbl. paste—C—B	
	Vat blue GCD dbl. paste—B	
844	Algal blue 3G (s.s.)	2,544
	Vat blue 5G paste—B	
849	Indanthrene yellow (s.s.)	154
	Indanthrene yellow G dbl. paste—B	
854	Alizarin viridine	1,190
	Alizarin viridine FF paste—nc—By	
856	Alizarin pure blue	475
	Alizarin sky blue B pdr.—By	
858	Alizarin astrol	1,102
	Alizarin blue AS pdr.—By	
858	Alizarin saphirol B	980
	Alizarin saphirol WSA—By	
	Alizarin blue SAWSA pdr.—By	
860	Cyananthrol G	1,444
	Alizarin direct blue BGAAO—B	
862	Alizarin blue black	7,951
	Alizarin blue black B pdr.—C—By	
	Alizarin blue black 3B pdr.—C—By	
865	Alizarin direct green G	460
	Alizarin cyanine green G—By	
	Alizarin cyanine green 3G—By	
867	Indanthrene brown B (s.s.)	2,224
	Anthra brown B dbl. paste—B	
	Indanthrene brown B dbl. paste—B	
885	Brilliant indigo B (s.s.)	3,066
	Brilliant indigo B paste—B	
893	Alizarin indigo G	340
	Alizarin indigo G pdr.—By	
895	Alizarin indigo 3R	159
	Alizarin indigo 3R pdr.—By	
897	Ciba heliotrope B (s.s.)	1,133
	Ciba heliotrope B paste—I	
	Ciba heliotrope B pdr.—I	
901	Ciba violet B (s.s.)	9,289
	Ciba violet B paste—nc—I	
907	Ciba scarlet G extra pdr.—I	2,700
	Helindone fast scarlet C paste—M	500
908	Ciba red R paste 20%—I	882
912	Ciba pink B paste—I	220
913	Thioindigo orange R paste—nc—K	500
918	Helindone red 3B	500
	Helindone red 3B paste—M	
920	Helindone violet B (s.s.)	550
	Helindone violet B pdr.—nc—M	
923	Urol	2,050
	Nako DR—M	
	Nako black DBB—M	

## UNIDENTIFIED DYES

Acid Dyes	Quantity Pounds
Acid anthracene brown KE pdr.—By	6
Alizarin direct blue A—O	200
Alizarin levelling blue BBS—C	50
Alizarin rubinole 3G pdr.—nc—By	353
Alkali fast green 10G—By	6
Azo acid black B—M	300
Brilliant acid blue CB—By	6
Brilliant pure yellow 6G extra—nc—By	220
Cloth red G—By	40
Fast light red GL—By	6
Guinea brown 2R—A	10

Dye & Maker	Pounds
Kiton blue A—I	661
New acid green 2BX—By	110
Supramine bordeaux B—By	6
Supramine brown G—By	6
Supramine yellow R—nc—By	331

## Vat Dyes

Dye & Maker	Quantity Pounds
Algal blue FB paste—By	11
Alizarin indigo black B paste—By	11
Alizarin indigo green BB paste—By	551
Alizarin indigo green G paste—By	11
Ciba printing black B paste—nc—I	2,094
Ciba printing black G paste—nc—I	1,211
Hydron black B (s.s.)—C	3
Hydron brown (s.s.)	3,522
Hydron brown G paste—nc—C	
Hydron brown G pdr.—C	
Hydron brown R pdr.—C	
Hydron pink FF paste—C	440
Hydron scarlet BB paste—nc—C	200
Hydron sky blue FK paste—C	150
Hydron violet R pdr. (s.s.)—C	250
Hydron wool brown D—C	23
Hydron yellow NF paste—C—C	1,000
Vat (Indanthrene) blue RZ (s.s.)	4,244
Vat blue RZ dbl. paste—B	
Vat (Indanthrene) orange 3R paste—B	4,180
Vat (Indanthrene) pink (s.s.)	3,636
Vat pink B dbl. paste—B	
Vat pink B dbl. paste fine—B	
Vat orange 3R paste—B	440
Vat red violet RKK paste—nc—B	110

## Mordant and Chrome Dyes

Dye & Maker	Quantity Pounds
Acid alizarin gray G—M	1,000
Acid chrome blue 3RX—By	6
Acid chrome yellow RL extra—By	6
Alizarin fast light red 5G pdr.—By	6
Chromazurine DN—DH	121
Chrome brilliant yellow 3G—By	6
Chrome fast blue FB—A	5
Chrome green BD, GD extra—By	11
Chrome printing red B—nc—DH	110
Chromodine BB—DH	130
Chromoxane azuril BD pdr.—By	6
Diamond black P 2B conc.—By	16
Eriochrome green L—G	110
Metachrome green 3G—A	10
Metachrome olive B, D—A	20
Modern green N—DH	110

## Direct Dyes

Dye & Maker	Quantity Pounds
Benzo fast brown	561
Benzo fast brown 3GL—nc—By	
Benzo fast brown RL—By	
Benzo fast heliotrope 2RL—By	249
Benzo fast light scarlet 4BL—By	6
Benzo fast scarlet 6BSL—By	16
Benzo green O—By	16
Benzo rhoduline red 3 B—By	10
Benzoform blue G extra—By	6
Benzoform green FFL—By	6
Benzoform violet 2 BF—By	6
Brilliant benzo green B—By	99
Brilliant benzo violet 2R—By	110
Brilliant congo violet R—A	10
Brilliant sky blue 8G extra—By	110
Brilliant sky blue 2RM—nc—By	1,499
Chloramine fast yellow B—By	6
Chlorantine fast yellow RL—C—I	661
Developing black ED, FFN, OB, OT—C	793
Developing blue 2R—nc—A	500
Diamine fast brown GB—C	100
Dianilil blue 2R—nc—M	1,000
Diazo brilliant blue 2 BL extra—By	6
Discharge blue B—By	6
Diazo brilliant orange 5G extra—By	25
Diazo indigo blue 4 GL extra—nc—By	948
Diazo sky blue 3G—By	1,000
Ionamine B—nc—BD	80
Ionamine red KA—nc—BD	25
Naphthogene blue B—By	500
Oxamine black BPNX—B	100
Oxydiazine brown	22
Oxydiazine brown G—C	
Oxydiazine brown KRS—C	
Oxydiazine brown RN—C	
Oxydiazine brown 3GN—C	
Oxydiazine yellow GR—C	
Rosaniline orange R—nc—I	77
Toluylene fast brown 2R—By	500
Zameshi black D—A	500

## Sulfur Dyes

Dye & Maker	Quantity Pounds
Katigene bronze LX extra—By	6
Katigene brown VR extra—By	6
Katigene deep black BN, FGC, TN—By	17
Katigene orange O—By	6

Dye & Maker	Pounds
Katigene yellow brown RLX, 3RLX—By	11
Sulphide violet V—M	100
Sulphur brilliant blue CLB—A	1,000

## Basic Dyes

Dye & Maker	Quantity Pounds
Rhoduline sky blue 3G—By	6

## Color Lake Dyes

Dye & Maker	Quantity Pounds
Helio bordeaux BL pdr.—By	198
Helio fast violet 2RL—By	6
Helio red RMT pdr.—By	6
Blue dye No. 1—Q	11
Blue dye No. 2—Q	2

## Unidentified, Unclassified Dyes

Dye & Maker	Quantity Pounds
Celastine blue—nc—BD	230
Celastine red—nc—BD	30
Celastine red violet—nc—BD	130
Celastine yellow—nc—BD	30
All other dyes—Q	51

## Synthetic Aromatic Chemicals of Coal Tar Origin

Dye & Maker	Quantity Pounds
Amyl salicylate—c—Switzerland	300
Anisic aldehyde—c—Switzerland	25
Benzophenone—nc—Holland	22
Benzy acetate—c—Germany, France, Holland	1,120
Benzy benzoate—c—France	57
Cetone D—nc—France	22
Cinnamic aldehyde—c—Switzerland	100
Diethyl phthalate—Switzerland	1,100
Diphenyl oxide—c—Switzerland	10
Heliotropine—c—Switzerland, Germany	260
Hyacinth absolute—c—Holland	220
Jacanth—c—France	22
Mellilot—c—France	11
Methyl anthranilate—c—Switzerland, Holland	460
Methyl cinnamate—c—France	55
Musk ambrette—Switzerland	650
Musk ketone—nc—Holland, Germany	95
Neroline (b-naphthol ethyl ether)—Holland	55
Paracresol phenylacetate—nc—Switzerland	1/4
Phenylacetaldehyde—c—Germany, Holland, France	132
Phenylacetic acid—Switzerland	35
Phenylethyl propionate—Holland	22
Toncarine—Switzerland	11
Yara yara (b-naphthol methyl ether)—Holland	110

## Color Lakes of Coal Tar Origin

Name of Lake	Quantity Pounds
Anthosine lake B pdr.—Germany	220
Anthosine lake Y lumps—Germany	110

## Medicinals, Photographic Developers, Intermediates and Other Coal Tar Chemicals

Name of chemical, Maker and Country	Quantity
Amidopyrazolone—nc—France	560
Antifebrin—c—England	1
Benzoic acid—c—England	1
Bismuth tribromocarbonate—Germany	22
Bismuth tribromophenol—Germany	112
Caffeine sodium benzoate—c—England	3
Carbolic acid crystals (a)—c—England	61,488
Celoxane—Germany	100
Cresidine—Switzerland	661
Developer B (ethyl-b-naphthylamine)—nc—Germany	100
Developer Z (phenyl methyl pyrazolone)—c—Germany	135
1:8-Dihydroxyanthraquinone—Germany	140 c.c.
Epine—c—England	140 c.c.
Eserine salicylate—nc—Switzerland	1
Ethyl benzene sulphate—c—Germany	154
Fast yellow GC base—Germany	28
Katanol—Germany	500
Naphthol AS—G—Germany	42
Neosalvarsan—Germany	5,500 amps.
Novadelox (b)—nc—Holland	39,690
Noviform—Germany	22
Orthochlorophenol—Germany	617
p-Hydroxyphenylmethane—Germany	1
p-Nitro benzoic-iso-butylester—Germany	55
Thyosostemine salicylate—nc—Germany, England	2

(Continued on page 176)

# GERMANY MAY DUMP CHEMICALS

(Special to DRUG & CHEMICAL MARKETS)

London, July 16.—The volume of business in heavy chemicals continues restricted and buyers are still placing orders for immediate requirements only, due to financial stringency more than lack of confidence in the market. Sellers are showing little desire to give credit, especially for any length of time, and this has stopped bulk orders.

Prices keep very steady. Some few products have advanced and others have cheapened, but the bulk have held at level rates with fluctuations within the narrowest margin. Export business, except in certain lines of heavy chemicals, has been a disappointing feature and so far, there are no signs of improvement. Owing to lack of demand, competition has been unusually severe and business has been done on narrow margins.

The situation on the Continent threatens to affect the spot position. A systematic development of dumping in the world's markets is threatened from Germany. Money is very tight and it is rumored that the bankers are now contemplating a general move of forcing the big makers of all kinds of merchandise to realize at the best prices they can obtain. Should this movement materialise, and there is reason to fear that it will, prices not only in the British market but in most parts of the world will no doubt weaken.

# AIR REDUCTION TAKES LONG LEASE

Air Reduction Co. has taken a lease in the Canadian Pacific Building, 342 Madison ave., New York, which involves an extension of their present premises, consisting of the entire fifteenth floor, for a long period of years, and in addition, involves the acquirement of 10,000 square feet of space on the fourteenth floor. The increased business of Air Reduction Co., coupled with the acquirement by them of several subsidiary corporations, has necessitated the leasing of more than 32,000 square feet for their executive offices, or almost double the amount of space which they occupied when they moved to the Canadian Pacific Building less than three years ago.

Establishments engaged primarily in the manufacture of chemical fire extinguishers reported products valued at \$6,152,082, of which amount \$4,358,004 was contributed by chemical fire extinguishers, \$1,688,404 by other fire apparatus (chemical engines \$539,656, and supplies, charges, etc., \$1,148,748), according to the Census Bureau. The rate of increase in the total value of products compared with 1921, the last preceding census year, was 44.6 per cent.

The Dutch Co-operative Association of Agriculturists is reported to have advanced 20,000,000 gold marks to the German Potash Syndicate in payment for potash, deliveries to be made in the near future.

# WHAT'S WRONG WITH INSECTICIDES?

*The insecticide business has been a lean one during the past ten years. Something is radically wrong somewhere. What and where?*

*Eight leading American manufacturers will tell what is wrong with the insecticide business, and suggest a cure for the present troubles in next week's issue of DRUG & CHEMICAL MARKETS, July 23. For a keen analysis of the situation, read next week "The Correction of Insecticide Ills."*

# HOOF AND MOUTH DISEASE INCREASES

DEMAND FOR CHEMICALS IN THE WEST

**Heavy Consumption of Cresylic Acid, Cresols, Formaldehyde, Corrosive Sublimate, and Other Chemicals To Stamp Out Spread of Disease—Strychnine For Destroying Animals**

The epidemic of the hoof and mouth disease among cattle, horses, and other animals in the West and Northwest during the past two months has very materially increased the consumption of chemicals, particularly those of a disinfectant nature, to prevent the spread of the scourge to other states not yet affected. Manufacturers and importers in New York report that demand has been particularly insistent for cresylic acid, cresols, and phenol mixtures generally, for corrosive sublimate, formaldehyde, and also for strychnine and barium carbonate. The last two are for the purpose of poisoning rats and other rodents, while the strychnine has also been used for the destruction of herds afflicted with hoof and mouth disease. The almost instantaneous action of the strychnine has made it very effective in quick death for stricken cattle.

Considerable cresol mixtures have been used in washing animals to be transported, before and after shipment. Cresol and cresylic have also been used in solutions in tanks on highways crossing state lines, through which all automobiles and other vehicles were compelled to be driven as a disinfecting medium. Much of these materials has been used in spraying and washing barns, roads, and equipment. The use of corrosive sublimate in dilute solutions as a preventive in much the same manner as the cresols are used, has taken large quantities of this mercurial. Another chemical in demand in the infested and near-by areas is formaldehyde which has been found effective in preventing the spread of infection. It is being used to a great extent in disinfecting animal foodstuffs.

As all animals have come under the supervision and regulations of the various state agricultural departments, even household pets come in for their share of washing with cresol or corrosive sublimate solutions. War has been declared on all rodents which are supposed to be carriers of the disease, rats and gophers particularly. For the latter, barium carbonate and strychnine mixed with foodstuffs are much in demand. In the case of California, purchases of strychnine by the state government this year are reported to have exceeded all previous years.

# BRAZIL BUYING MORE CHEMICALS

Brazil is importing more heavy chemicals, according to P. W. Cook, Canadian Trade Commissioner. While local manufacture has in a measure affected overseas competition in a few specific chemicals, the importation of many lines used in the cotton, tanning, brewing and rubber industries is increasing.

Among the lines which are in demand are acetate of lime and acetate of soda, sulfuric acid, ammonium sulfate, borax, soda ash, caustic soda, sodium sulfate and chemical fertilizers. A large market for animal dips and disinfectants is reported.

An appropriation of \$18,000 to purchase lead arsenate for use in spraying city trees which are infested with caterpillars, was voted by the New York City Board of Estimate on July 10. The Department of Parks will purchase the arsenate and use it immediately to combat an epidemic of caterpillars in several parks in Brooklyn.

Borax Union, Inc. has opened offices at 151 Utah St., San Francisco.



## The Heavy Chemical Market

Current Spot Quotations of Heavy Chemicals, pages 188-190

### MANUFACTURERS RESIST PRICE SHADING

Generally Firmer Undertone in Spite of Cutting by Outsiders and Weak Holders—Glauber's Salt Firmer Abroad—Cheap Prussiates Cleaned Out—Arsenic Sellers Refuse To Go Lower—Copper Sulfate Down

#### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

<b>Advanced</b>	
Arsenic, white, ¼c lb.	Sodium Prussiate, ¼c lb.
<b>Declined</b>	
Copper Sulfate, Dom., 10c cwt.	Barium Chloride, \$1 ton
Imported, 15c cwt.	Oxalic Acid, Dom. & Imp., ¼c lb.

#### Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre. War
Acetic Acid, Glacial...lb.	\$11	\$11	\$11	\$12 ¼	\$19 ¼	\$9
Sulfuric Acid, 66 deg. ton	14.00	14.00	14.00	15.00	55.00	20.00
Ammonium Sulfate, 100 lbs.	2.60	2.60	2.60	3.15	7.50	2.65
Bleaching Powder, 100 lbs.	1.90	1.90	1.90	1.75	9.50	1.50
Copper Sulfate, c/1.100 lbs.	4.50	4.60	4.65	6.60	20.00	4.50
Potash Caustic, Imp...lb.	.06 ¾	.06 ¾	.06 ¾	.07 ¾	.87	.06
Soda Ash, 58 p.c. 100 lbs.	1.94	1.94	1.94	2.00	3.50	.60
Caustic Soda, 76 p.c. 100 lbs.	3.66	3.66	3.66	3.70	9.50	1.42
Potassium Bichromate...lb.	.09 ¾	.09 ¾	.09 ¾	.11 ¾	.65	.06 ¾
Sodium Prussiate, Imp. lb.	.09 ½	.09 ¾	.09 ¾	.16	1.25	.18
<b>Average</b>	<b>2.906</b>	<b>2.912</b>	<b>2.912</b>	<b>3.162</b>	<b>10.79</b>	<b>2.99</b>

Manufacturers have taken a more decided stand against price shading during the past week. The distinctly firmer undertone is evident in spite of sporadic price cutting chiefly by resellers and weak importers. In a number of products where counter offers fractionally under the quoted price would have secured the goods ten days ago, makers refused to accept business this week. No prices have been advanced, and some have been lowered, but the expected concession on every order is not as readily forthcoming as last week. The number of inquiries from consumers is reported more frequent, although actual buying is still much restricted. Both buyers and sellers have apparently decided to wait until September before doing quantity business.

**Acid Acetic**—Quantity shipments are still absent, with most business for small spot lots. Acetate lime prices are apparently firm as production steadily declines, and there seems to be little expectation of a cut in acid. Makers at \$3.12@3.27 hundred for 28% in bbls.; \$5.85 up for 56%; \$7.20 up for 70%; \$11.01@11.76 for glacial.

**Acid Formic**—Imported material only available. Demand holds steady at 12½c lb. for 85 per cent.

**Acid Oxalic**—One maker leads the way down as prices are shaded in competition. Domestic acid at 9¾c works bbls. Some holders name 10c. Imported meeting domestic price on firm business in spite of reports of firmness.

**Acid Sulfuric**—Demand steady, mostly on contract. Situation shows no change. Prices still recorded at \$14.00 ton tanks works for 66; \$9.00@10.00 ton for 60; carboys 66 at \$1.25@1.75 hundred; oleum tanks \$17.00 ton, carboys \$1.25@1.50.

**Acetone**—Methyl is in firmer position as wood chemical production falls off. Price strong at 70c tanks; 73c drums. C. P. acetone at 15c@16c tanks; 16c@17c drums works.

**Alums**—Prices rigidly maintained by producers as output is reduced at this time. Domestic potash lump at 4¼c with imported at 3c spot. Ammonia lump alum held at 3½c@3¾c from makers. Demand steady.

**Arsenic**—Many holders have reached the point where they would rather hold arsenic than sell out at lower prices. The steady pounding on prices for several months of keen competition has found less arsenic moved into consumption and has disgusted sellers. Where 7¼c was done last week and possibly 7½c on firm business, 8c is the ruling figure this week. Sellers evidently feel that they will sell just as much at 8c as at 7½c. The decline seems to have reached the limit.

**Barium Compounds**—Larger offers of imported goods tend to soften the market. Prices are about the same or fractionally easier. Spot chloride at \$78.00@79.00 ton as to seller; carbonate dull at recent decline to \$60.00. Barium nitrate is quiet at 8½c lb.

**Bleaching Powder**—Although consumers are not taking large quantities, fair movement of contract material is reported. Of spot buying, there has been very little as is usual during the hot months. Prices are steady and unchanged at \$1.90 large drums works; \$2.15 for small drums; \$2.30 less car lots.

**Calcium Arsenate**—Owing to high price of cotton and expected prosperity of South this summer, arsenate buying for preventive measures is expected to pick up shortly, according to advices from Atlanta. Market still uncertain in price at 10c cars delivered South, with reports of a recent distress sale at 9¼c Mississippi point. Outlook is for firmer market as already reflected in arsenic.

**Chlorine**—Quiet and steady without change at 4¼c tanks; cylinders in cars, 5¼c; less cars 6¼c; less tons 7¼c., all works.

**Copper Sulfate**—Although demand has been steady this season, further imports and competition have held prices down. Shading this week has been reported and domestic material is quoted down to \$4.40 hundred up to \$4.55 as to brand. Imported is also offered lower at \$4.10 up to \$4.20 as to quality, seller, and quantity.

**Copperas**—Dull without change. Prices easy at \$18.00 ten bags; \$20.00 bbls. Bulk material \$15.00 car works.

**Carbon Tetrachloride**—Price still stays at low levels not warranted by cost. Drums works at 7c lb. with competition keen.

**Glauber's Salt**—Imported Glauber's salt at 90c spot, and firmer owing to higher price abroad. Domestic firm \$1.20@1.70 hundred as to seller and quantity.

**Potash Caustic**—Named generally 6¾c lb. imported spot with shipment at same level. Odd lots reported sold down to 6¾c. Domestic 7¼c and quiet.

**Potassium Carbonate**—Dull and quiet with prices unchanged at 5¼c@5¾c for 80-85; 5¾c@6c for 90-95.

**Prussiates**—Yellow soda prussiate is not available this week under 9½c lb. spot. Both spot and foreign goods for shipment are held at this level. Brokers who shopped for additional odd lots which were reported offered around the market last week at 9¼c and 9c, reported nothing more under 9½c. Yellow potash is firmer at 18c@18½c, with an inclination to make the latter figure inside. Red potash 37c@41c as to seller. With distressed prussiates cleaned out, the market looks much firmer.

**Soda Ash**—Dullness pervades the market with demand confined mostly to less carlots from dealers



rather than larger shipments from producers. Contracts shipments smaller on summer dullness. Bags, cars, works, \$1.38 basis unchanged. Spot less cars at \$2.04@2.19 bags; \$2.29@2.44 bbls., both delivered as to quantity, one package to more than ten.

**Soda Caustic**—Prices are unchanged and steady. Deliveries reduced as is natural during July-August. Base price still \$3.10 for 76% solid, cars, works, contract. Ground and flake \$3.50. Less cars, solid, \$3.76@ \$3.91; flake, \$4.16@4.31, both local deliveries.

### Metals

Copper market has been comparatively quiet during the past week and prices are unchanged with electrolytic quoted 12 $\frac{3}{4}$ @12 $\frac{1}{2}$ c lb. A fairly steady situation has prevailed in the lead market with practically no change in prices. New York is quoted 7c lb., with East St. Louis, 6.65c@6.70c lb. Tin prices have advanced to 45c lb. for Straits and 44 $\frac{1}{4}$ c lb. for standard. Zinc market is quiet but firm at 5.85c lb., East St. Louis; New York, 6.20c lb.

John J. Watson, president International Agricultural Corp., says that as far as volume is concerned, conditions were satisfactory. The preliminary estimates of the year's earnings will not be available for some time. Inventories at the close of the year were low, said President Watson, and there is a good demand for fertilizer, though overproduction has brought about strong competition. Mr. Watson believes that the return of the European markets to normal conditions will bring favorable operating conditions to fertilizer companies.

Operation of a new \$400,000 sheetrock wallboard mill at the plant of the United States Gypsum Co. at Plastarco, Va., was started July 16. The daily capacity is 100,000 square feet of gypsum wallboard and, with the mines and plaster mills previously built, makes this a complete production unit of gypsum building materials.

Rates on bichromate of potash, in carloads, from Jersey City, N. J., to Waukegan and Chicago, were found not unreasonable by the Interstate Commerce Commission, in docket No. 14,904 of Griess-Pfeiffer Tanning Co. against the Central Railroad of New Jersey. The complaint was dismissed.

Hermetite Chemical Corp., New York, manufacturer of waterproofing chemicals, has leased from the Third River Improvement Co., a plant formerly owned by American Nitration Co. and located on the Passaic River Road, Nutley, N. J. The lease runs for five years and is said to involve \$50,000.

George A. Main, 14 Baker st., Daytona, Fla., consulting engineer, is desirous of receiving information and prices of dry chemical feed apparatus for handling hydrated lime and soda for water-softening plants.

Pacific Coast Chemical Co. has awarded the contract for the erection of a sulfuric and phosphate plant in Honolulu to Chemical Construction Co., of Charlotte, N. C., at a total cost of \$400,000.

Hugh Hill, of Edward Hill's Son & Co., New York, alkali products, died on Monday, July 7, at his home in Irvington-On-Hudson. He was in his sixty-seventh year.

W. V. Currie, of Republic Metals Co., 291 Broadway, New York, is back at his desk after a six weeks' business trip through the South.

New Jersey Zinc Co., New York, is erecting a plant at Palmerton, Pa., to be used to make zinc sheets.

### CHEMICAL PRICES LOW IN GERMANY.

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Berlin, Germany, July 5.—The home market in chemicals is largely influenced by the precarious financial position of trade and industry and business is being done on a reduced scale. Customers are ordering comparatively small lots, and when they give larger orders they demand long credits. For cash payment goods are sold at almost any price. Export business has livened up during the last few weeks. Large orders have been booked in potash compounds. The table gives current market quotations: (\$1=4.20 gold marks)

	Inland 100 Kg. goldmarks	Export 1 ton
Caustic soda, 125-128°	32.50	£16 17s
Caustic potash, 88-92 KOH	53.	\$12.15
Boric acid cryst.	98.	£45
Boric acid powder	110.	£47
Bromine liquid	95.	£85
Chrome alum 15%	45.	£23
Sulfate of soda, fine cryst. unpacked	3.	£2 14s
Sulfate of soda, calc. ground 96-98%	6.20	£3 10s
Alum in pieces	16.50	£7 14s
Permanganate of potash, small cryst.	95.	£48
Sulfuric acid, 66° Be.	8.	£6
Sulfur, ground	17.50	\$30.75
Formaldehyde, 36%	110.	£60
Formaldehyde, 40%	125.	£66
Tartaric acid cryst.	250.	\$45 100 kg
Tartaric acid powder	240.	\$44 100 kg
Beta-naphthol, techn. pure	140.	£63
Salicylic acid	2.40	
Vanillin	40.	

### GERMANS MAY GET POTASH LOAN HERE

A loan of \$6,000,000 to the German Potash Syndicate as an advance payment for potash salts, which are to be shipped to the United States in the near future, is reported under negotiation. At the offices of the American financiers, The International Acceptance Bank, New York, officials stated that nothing could be given out about the loan at the present time, but within a few weeks something definite might be said. The present method of financing potash sales has been against letters of credit, given by the buyer.

If the loan goes through, the equivalent in potash salts will be shipped to the United States for sale at the market price. Annual importations of potash salts now amount to about \$15,000,000.

At the offices of the Potash Importing Co. of America, 81 Fulton st., the sole agents for the German syndicate, it was said nothing had been determined up to the present time, and the amount of the loan under consideration, was not known. It was also stated that the loan had been under advisement for a year.

The Nitrogen Syndicate of Berlin estimates the annual production of by-product ammonium sulfate from German coke and gas plants at 70,000 to 75,000 metric tons of nitrogen content, or from 350,000 to 375,000 tons bulk ammonium sulfate. Coke and gas plants in the Ruhr district have been operating at nearly normal capacity since the agreement with coal operators, entered into last November. Ammonium sulfate is produced in all of the German coking plants, which accounts for about 85 per cent of the total production. Only the largest gas plants, producing the remaining 15 per cent are engaged in the manufacture of by-product ammonium sulfate.

H. Rothstein, of Apex Chemical Co., 461-479 Eighth ave., New York, left the city on July 12 on an automobile trip to Quebec, Canada. He expects to return about July 28.

Acheson Smith, vice-president and general manager of Acheson Graphite Co., has been elected a director of the American Management Association, 20 Vesey st., New York.

## The Intermediate and Dye Market

Current Spot Quotations for Intermediates, see Chemicals, page 188.

### PYRIDINE AND NAPHTHALENE DECLINE

**Naphthalene Weakness Brings 5c Flake Price—Benzene, Toluene, and Naphtha Stand Out Strong—Production Reported Only 50%—Phenol Dull—Reopening of Some Textile Mills May Bring Better Intermediate Demand in August**

#### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

	Advanced			No Advances			Declined		
	Naphthalene, flake, 1/4c lb.			Ball, open market, 1/4c lb.			Pyridine, 20c gal.		
	Trend of the Market			Last			Last		
	Today			Week			Month		
	Last			Last			Last		
	Today			Week			Month		
Benzene, pure .....	gal.	\$24 1/4	\$24 1/4	\$24	\$22	\$1.10	\$25		
Naphthalene, flake .....	lb.	.08 3/4	.08 3/4	.08 3/4	.07 3/4	.16	.03		
Phenol, Spot .....	lb.	.26	.27	.28	.37	1.50	.08		
Toluene .....	gal.	.26	.26	.26	.29				
Aniline Oil .....	lb.	.16	.16	.16	.16	1.40	.10 1/2		
Alpha-naphthylamine .....	lb.	.35	.35	.35	.35	1.28			
Benzaldehyde .....	lb.	.75	.75	.75	.75				
Betanaphthol .....	lb.	.26	.26	.26	.22	1.50	.08		
Dimethylaniline .....	lb.	.36	.36	.36	.41	1.80			
Paranitroaniline .....	lb.	.70	.70	.70	.73	1.58	.18		
Average .....		0.340	0.341	0.341	0.372				

Although demand for intermediates is reported a shade better, the increase is not sufficient to have any material effect on the market. Prices, as a group, are about the same with changes at a minimum. General dullness pervades the whole situation and everybody, buyers and sellers alike, are waiting for a semblance of renewed activity. The reopening of a number of textile mills, both in New England and in the South, may bring a better intermediate demand during August. Most of the openings were effective immediately after the July 4 holiday period. Belief that a gap in the country's textile stocks has resulted from inactivity of the past six months exists in the dye trade. To make up lost ground, steady activity through next Fall and Winter is looked for, with consequent better demand and firmer prices for intermediates and colors. Among the crudes, benzol, toluol, and solvent naphtha stand out strong with price tendency upward. Average production during June and July at steel plants is estimated at about 50 per cent.

#### Crudes

**Benzene**—One sale of 50,000 gals. of pure benzol was reported during the week at 25c spot. This is about a half cent over the general run of the market which is 24 1/2c. Ninety per cent material is steady at 23c unchanged. Benzol and other coal-tar solvent prices continue to represent the strong spot of the market. Supplies are limited all over the country. Any sustained heavy buying would soon drain the market of the small stocks available, according to the trade. Only the restricted call for benzene, except for motor fuel, keeps prices from mounting. Shut-downs have taken further toll of production during the past month, the average output of all coal-tar light oils for June and thus far in July being estimated at fifty per cent of normal. All prices given herewith are for tanks, with drums five cents higher.

**Cresylic Acid**—As far as big suppliers are concerned, demand is dull. Local stocks in the Middle and Far

West are finding a ready sale, however, according to reports. Prices are unchanged, but in competition for real business, lower figures might come out. As to source of supply, pale acid is quoted at 65c, 68c, and 70c gal. drums, spot or works. Dark acid is held at 60c gal. without change.

**Phenol**—The situation is balanced by lack of demand and reported limited supplies. In spite of the small quantities available for immediate shipment, buyers feel that prices are going lower before they move higher. This view, however, might be changed by a slight spurt in demand, which disinterested observers believe would drive the price up quickly. Prices are unchanged, but tend to softness owing to the lack of buyer interest. Spot or works, medium drums, still quoted from 26c lb. up to 28c as to seller. Large drums, 900-1,000 lbs., are available at works for 25c lb.

**Naphthalene**—The weakness of naphthalene is perhaps more pronounced this week. Heavy stocks are held in several quarters and sellers appear anxious to move their goods. No doubt exists that the accumulation of stocks is heavier than usual for this season of the year. Any drug trade business is past. The demand for dyestuff naphthalene will depend a great deal on what the expected Aug.-Sept. pick-up in the textile business amounts to. Offers of spot flake from resellers were made at 5c lb. this week, with balls down to 5 1/2c, from reported 6c quoters last week. Makers' prices still 5 1/2c and 6c basis, works. On firm business, 5c can be broken for chipped.

**Pyridine**—Lack of buying and new offers of spot pyridine during the week broke the price down to \$3.70 gal. in one quarter. Reports that \$3.60 goods were available were branded false by a dealer who shopped the market looking for this lot. A leading seller on spot still refuses to break his \$4.00 price, in spite of the cheaper material. Shipment position tends lower on lack of buying.

**Solvent Naphtha**—Buying of this commodity is more difficult than selling as stocks are hard to find. Like other light oil derivatives, limited industrial buying keeps the price stationary at last week's level, 25c tanks at mills, and five cents more for drums, cars.

**Toluene**—Stocks are scarce in all quarters. As one seller put it when questioned on the market, "There ain't none!" Prices firm at 26c tanks mills, and five cents higher for drums.

**Xylenes**—Dull. Commercial at 26c tanks; drums, 31c gal. Ten degree boiling, 33c@35c; five degree, 40c@43c; nitration, 45c gal. up as to quantity.

#### Intermediates

**Acid Anthranilic**—Dull, without change at 94c lb. spot for technical and \$1.00 for refined.

**Benzyl Chloride**—A sudden expansion in buying was noted during the week, particularly by one or two dye makers. Prices firm and unchanged at 25c lb. technical, and 35c lb. refined.

**Acid H**—Makers show no change in price, 72c lb. still marking the quoted inside of the market. Occasional small lot buying only.

**Aniline Oil**—Prices firm with demand routine at 16c @17c lb. for drums as to quantity and seller. With

the present benzol situation, the future of aniline looks firm. Unless raw material situation changes by Fall, price advance may be forced. Aniline salt unchanged 22c.

**Benzidine**—Steady and quiet at 80c lb. spot from leading makers. Occasional quantities shipped out by seller who has cut under this price.

**Beta-Naphthol**—Many of the cheap odd lots which have been disturbing the spot market for months, have been cleaned out at low prices. A firmer tone is now evident, with little distress material offered. Makers quote 24c lb. cars, 26c lb. for less. Demand from big consumers for quantities is still lacking, however.

**Dimethylaniline**—Recent cut in methanol has not brought any change in D. M. A. as yet. Some consumers reported calling for a cut, but this is far from assured. Still named 35c and 36c lb. as to seller.

**Para-nitroaniline**—What goods are being sold are passing at 68c lb. for small lots. Makers quote 70c unchanged. Demand limited.

### CLASSIFIED DYE LIST INCREASED

**More Imports Entered in January, February, March, April and May Designated as Competitive and Non-Competitive—Many Chemicals Included**

The Chemical Division of the Bureau of Foreign and Domestic Commerce in conjunction with the Chemical Division of the Tariff Commission has prepared a supplementary list of dyes and chemicals imported in January, February, March, April and May, which have now been classified as competitive or non-competitive, as follows:

Dyes Imported in January	
Anthracene Blue SWR	N C
Algol Red R Extra Powder	N C
Helindone Red IDBN Paste	N C
Helindone Golden Orange IRRT Paste	N C
Benzo Fast Brown 3 GL	N C
Alizarine Rubinol 3 G	N C
Alizarine Rubinol 5 G	N C
Alizarine Rubinol GW	N C
Anthraflavone GC Paste	N C
Indanthrene Violet BN Extra Powder	N C
Vat Brilliant Violet RK Paste 12 1/2%	N C
Vat Brown R Paste 12 1/2%	N C
Diazo Brilliant Green 3 G 40%	N C
Acid Anthracene Red 3 B 80%	N C
Alizarine Blue AS Powder	N C
Brilliant Blue R	N C
Vat Brilliant Violet RK Powder	N C
Sky Blue BB	N C
Vat Blue 5 G Powder	N C
Turquoise Blue G	C

Dyes Imported in February	
Diamine Fast Orange EG Powder	C

Dyes Imported in March	
Diamine Orange F 95%	N C
Nako PS	N C
Nako RH	N C
Helindone Orange 14 R Powder	N C
Hansa Yellow 10 GT Paste	N C
Hansa Yellow 10 G Lumps	N C
Hansa Yellow 10 G Paste	N C
Helindone Orange DIG Double Paste 20%	N C
Anthraflavone GC Powder	N C
Vat Brown G Paste 12 1/2%	N C
Vat Olive R Paste 12 1/2%	N C
Vat Grey GK Paste 12 1/2%	N C
Benzo Fast Bordeaux 6 BL 80%	N C
Tolylene Fast Orange GL	N C
Diazo Indigo Blue 4 GL Extra 6%	N C
Benzo Fast Brown 3 GL	N C
Helio Bordeaux BL Paste 20%	N C
Vat Red R Extra Powder	N C
Vat Corinth RK Powder	N C
Brilliant Benzo Green B 60%	N C
Vat Grey K Powder	N C
Vat Blue 5 G Powder	N C
Alizarine Bordeaux BP Paste 20%	N C
Vat Blue 5 G Paste 12 1/2%	N C
Vat Olive R Paste 12 1/2%	N C
Vat Yellow GK Paste 12 1/2%	N C
Vat Brown G Paste 12 1/2%	N C
Fast Green Extra Bluish 60%	N C
Vat Brown G Powder	N C
Imperial Scarlet 3 B	N C
Chloramine Red 8 BS 60%	N C
Benzo Fast Black L 80%	N C
Vat Yellow GK Powder	N C
Geranine G	N C

Vat Red RK Paste	N C
Helindone Violet B Paste	N C
Alizarine Maroon 20% Paste	N C
Vat Blue RZ Double Paste 20%	N C
Vat Orange RRT Paste 10%	N C
Vat Golden Orange G Double Paste 20%	N C
Vat Red RK Paste Fine 10%	N C
Vat Brilliant Violet RK Paste 10%	N C
Vat Black BB Double Paste	N C
Vat Brown RT Paste 2%	N C
Vat Red RK Paste	N C
Stone Fast Yellow 5 G Lumps	N C
Alizarine Direct Blue BGAOO	N C

Chemicals Imported in March	
Beta-Naphthol-Monosulphonic Acid FA	C
Developer Z	C

Dyes Imported in April	
Vat Orange RRK Paste	N C
Vat Golden Orange RRT Paste	N C
Vat Corinth R Paste	N C
Ciba Pink BG Powder 66%	N C
Chlorantine Fast Violet 2 RL 74%	N C
Vat Red Violet RRK Paste	N C
Fur Red Brown 6 R	N C
Fur Black DG	N C
Fur Brown O	N C
Developing Pure Blue GL	N C
Sulphur Olive Brown A Extra	N C
Indocyanine B	N C
Vat Red RK Paste	N C
Vat Red RK Powder	N C
Diamine Fast Brown GB	N C
Alizarine Green S Paste	N C
Thio Indigo Orange R Paste	N C
Benzo Fast Brown 3 GL	N C
Vat Orange G Paste	N C
Benzo Fast Orange 2 RL	N C
Diazo Indigo Blue 4 GL	N C
Vat Golden Orange G Double Paste	N C
Fast Cotton Red 8 BL	N C
Wool Black GRF	N C
Developing Blue 2 R	N C
Metachrome Blue Black 2 BX	N C
Metachrome Brown 6 G	N C
Fast Cotton Grey VL	N C
Fur Yellow 2 G	N C
Guinea Fast Red 2 R	N C
Vat Olive R Powder	N C
Alizarine Irasole R Powder	N C
Cyananthrol BGAOO	N C
Alizarine Sky Blue B Powder 70/100	N C

Dyes Imported in May	
Eriochrome Green L 945	N C
Diphenyl Fast Brown GNC 120	N C
Cibonone Yellow R Powder	N C
Vat Grey 3 B Double Paste 10%	N C
Algol Red R Extra Powder	N C
Polar Red G Cone 596	N C
Thio Indigo Orange R Paste	N C
Diazanile Pink B	N C
Anthraflavone GC Powder	N C
Fur Grey ALA	N C
Acid Cyanine BF	N C
Congo Orange R	N C
Fur Blue Black SB	N C
Benzo Fast Scarlet 5 BL	N C
Vat Red BN Extra Paste	N C
Rhodamine 6 G Extra	N C
Aurine	N C
Benzo Fast Brown RL	N C
Vat Golden Orange G Paste	N C
Developer Light Blue 4 GLX	N C
Rhodamine 6 GDN Extra	N C
Ciba Pink BG Powder	N C
Pyrogen Green GK	N C
Alizarine Lake RLS	N C

Chemicals Imported in May	
Phenylacetaldehyde	N C
Dialacetin	N C

E. I. du Pont de Nemours & Co. announce three new dyes. Pontachrome Black PVJ, a new chrome color similar in properties to Pontachrome Black PV previously placed on the market but a jet shade. The second is DuPont Alizarine Emerald, a fast to light color, and third, DuPont Saphirole BR, an acid blue of greenish shade.

Although on the surface prices on dyestuffs in Boston are well maintained, it is understood in the trade that there is more or less "confidential shading" of prices where it is thought that a lower price might stimulate business.

Explosive Co., New York, has been awarded a contract by the Bureau of Supplies and Accounts, Navy Department, for furnishing the Norfolk Navy Yard with 2,500 gallons of coal tar naphtha at \$1,060.



## The Oil Market

Current Spot Quotations of Oils, Tallows, Greases, page 207

### CHINAWOOD OIL ADVANCES SHARPLY

**Market Shows Strength as Buying Recovers—Coconut Oil Higher—Crude Corn Oil Higher at Mills—Cottonseed Oil Develops Further Strength—Linseed Oil Firm—Oleo Oil and Stearine Continue Advance—Fish Oils Steady**

#### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced						
Chinawood Oil, bbls., N.Y., 134c lb.	Rapeseed Oil, ref., bbls., 1c gal.					
Futures, arrival N.Y., 134c lb.	Brown grease, 34c lb.					
Coast, tanks, futures, 134c lb.	Lard, prime, bbls., 34c lb.					
Coconut Oil, Ceylon, bbls., 34c lb.	Compounds, 34c lb.					
Manila, coast, tanks, 34c lb.	Oleo Oil, No. 1, bbls., 34c lb.					
Corn Oil, crude, tks., 34c lb.	Stearine oleo, bbls., 34c lb.					
Palm Oil, Niger, csk., 34c lb.	Tallow, edible tierces, 34c lb.					
Declined						
No Declines						
Trend of the Market						
	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Cod Oil, N.F. .... gal.	\$.67	\$.64	\$.64	\$.70	\$1.26	\$.36½
Degras, American, bbl. lb.	.044	.044	.044	.04	.23	.03½
Lard, No. 1 .....	.81	.81	.79	.79	2.90	.92
Menhaden, crd., bbls. gal.	.40	.40	.50	.80	1.20	.33
Neufastot, 20 deg. c.t. gal.	1.66	1.46	1.68	1.25	3.45	.95
Red Oil, distilled .....	.09	.09	.09	.09	.10	.07
Stearic Acid, T.P. ....	.13½	.13½	.13½	.14	.37	.12
Coconut, Ceylon, bbls. lb.	.10	.09	.09	.09½	.90	.14
Cottonseed, crude, tks. lb.	.09½	.09	.08½	.10	.25	.08
Linseed, carlots .....	.96	.96	.94	1.12	1.88	.57
Olive, denatured .....	1.21	1.21	1.21	1.15	4.50	1.05
Peanut, refined .....	.15½	.15½	.15½	.16½	.30	.08
Soya Bean, bbls. .... lb.	.12	.12	.12	.12½	.19½	.07
Average .....	0.476	0.477	0.475	0.484	1.30	0.362

The sharp recovery of Chinawood oil has been the leading feature of importance in the oil market during the past week. After months of comparatively little activity and lack of anything more than casual interest on the part of buyers, the general sentiment has improved to such an extent that inquiries are being received in larger numbers and sales are reported at prices ranging from 134c to 2c lb. higher than heretofore. Much of the present interest can be attributed to bullish reports from China regarding primary conditions affecting the market. Coconut oil is in a stronger position, as well as other vegetable oils. Although the demand continues for moderate quantities, sentiment is constantly improving and, with inquiries becoming more numerous, the outlook for good business in the Fall is unchanged. Animal oils are in a strong position and further price advances are reported in many cases. Producers continue to report a good demand from abroad. Fish oils continue quiet with the sentiment improving generally. Although the Government report on the flaxseed crop issued last week was decidedly more bearish than anticipated, the effect on linseed oil has been small and the market has continued steady.

#### Vegetable Oils

**Castor Oil**—Market continues firm with demand of a routine nature. No. 1 is quoted 15½c@16c lb., with No. 3, 15c@15½c lb.

**Chinawood Oil**—Advances in price have been reported for all items following a recovery in buying and general sentiment. Bullish reports from China concerning primary conditions have helped to stimulate a more active interest in the market. Inquiries are increasing and sales have been reported at 14c lb. for spot oil. Futures, arrival N. Y., are quoted 14c@14½c lb.

**Coconut Oil**—A decided improvement has been noted since the week-end and the prices for all grades are firming up. Demand is improving both locally and at the coast. Ceylon oil, in bbls., N. Y., has advanced to 10c@10¼c lb., with Manila, 8½c@8¾c lb.

**Corn Oil**—Crude oil has advanced to 9¼c@9½c lb. at the mills, following strength in cottonseed oil. Refined oil is quoted 12¾c@13c lb. A better interest is reported with inquiries increasing.

**Cottonseed Oil**—Market has developed considerable strength during the past week and price for July oil and forward months has advanced sharply. The advance in lard and buying in the nearby months has contributed largely to present activity. Crude oil has advanced to 9¾c lb. P.S.Y. oil opened the week as follows: July, 11.80@12.50; Aug., 11.70@12.00; Sept., 11.61@11.62; Oct., 10.70@10.72; Nov., 9.85@9.89; Dec., 9.70@9.78.

**Linseed Oil**—Notwithstanding the fact that the government report on the flaxseed crop, issued last week, was decidedly more bearish than expected, the linseed oil market is well maintained in a fairly strong position. Crushers continue to ask 96c gal. for carlots and 99c gal. less than carlots. London linseed oil is quoted 40s, and Antwerp, 372f per 100 kilos. Duluth, flax, July, \$2.47; Sept., \$2.23; Oct., \$2.20. Winnipeg, July, \$2.19; Oct., \$1.99½; Dec., \$1.93. Buenos Aires strong at \$1.87¾.

**Olive Oil**—The generally improved sentiment is reflected in the market for olive oil with inquiries becoming more numerous. Prices are unchanged at \$1.20@ \$1.22 gal. for denatured.

**Palm Oil**—Is in stronger position with Lagos quoted 7½c@7¾c lb. Niger has advanced to 7½c lb. A much improved situation exists with demand increasing.

**Perilla Oil**—There has been no feature of importance during the week. Prices are well maintained at 14¼c @14½c lb. Sellers report a better inquiry.

**Rapeseed Oil**—Following an easier situation last week, the market has become decidedly stronger in tone with price for refined advanced to 83c gal., in barrels, N. Y.

**Soya Bean Oil**—Although the volume of business during the week has not been large, market has maintained a steady tone with prices unchanged at 12c@12½c lb. for crude oil in bbls., N. Y.

#### Animal Oils

**Greases**—Producers have advanced the price of brown grease to 6½c lb. Demand continues fairly active for all grades. White grease is quoted 9¾c@10c lb.

**Neatsfoot Oil**—Continues in fair demand. Prices are unchanged with 20 deg. c.t. quoted 19½c lb., extra, 10¾c lb., pure, 15c lb. in bbls., N. Y.

**Oleo Oil**—A further advance has taken place for all grades as result of strength of the primary sources. Demand continues fair. No. 1 is quoted 13½c@13¾c lb. and No. 3, 10c lb. in bbls.

**Stearic Acid**—Following an easier situation during the earlier part of the week, market has firmed up to present levels with good demand reported for all grades. Single pressed is quoted 10¾c@11c lb.; double pressed, 11¼c@11½c lb.; triple pressed, 13c@13½c lb.

**Stearine Oleo**—Market has strengthened further during the week and producers have advanced the price to 12¾c@13c lb. in barrels. An increase demand is reported.



### Fish Oils

**Cod Oil**—There has been very little activity in the market during the week but prices have been maintained on a steady scale. Newfoundland oil is quoted 58c@60c gal. in bbls., New York, and 54c@56c gal. in tanks.

**Menhaden Oil**—Demand for refined oil continues light with prices holding steady at former quotations. Light strained is quoted 55c@57c gal. with yellow bleached at 59c gal., in barrels, N. Y. Reports of favorable fishing conditions are received from the Chesapeake Bay district but, as yet, no great demand is in evidence. Crude oil is quoted 40c gal. in tanks.

**Whale Oil**—Business during the past week has been confined to routine proportions with prices holding fairly steady. Natural winter is quoted 77c gal., in bbls., N. Y., bleached, 81c gal., extra bleached, 83c gal.

### Naval Stores

**Turpentine**—Local market has been without feature during the past week with buying limited to small proportions. Reports from southern markets indicate an improvement in business both at Jacksonville and Savannah. Prices are firmer with Savannah quoting 79½c gal. Sellers here continue to quote 84c gal., ex-yard, N. Y.

**Rosins**—Southern markets were fairly active during the week with prices showing slight advances. Local market has been quiet with demand spasmodic. Prices are quoted as follows: B, \$5.55; D, \$5.65; E, \$5.75; F, G, H, I, \$5.80; K, \$5.85; M, \$5.90; N, \$6.10; WG, \$6.90; WW, \$7.60.

Rates on Rosin in carloads from southern points of origin east of the Mississippi river to Kalamazoo and Grand Rapids, Michigan, were found not unreasonable on unjustly discriminatory by the Interstate Commerce Commission, and the complaint was dismissed. The Commission handed down this decision in case 13,157 of the Western Paper Makers Chemical Co., Kalamazoo, against the Alabama Central Railroad Co.

General Appraiser McClelland sustained the protest of Shimaya Shoten, of Honolulu, against the assessment of 25 per cent ad valorem on merchandise classified as a combination of vegetable oils. The Government chemist reported that it was rapeseed oil, and the claim that it was dutiable at six cents per gallon was upheld.

I. F. Littlefield, for twenty-five years president of W. P. Fuller & Co., paint manufacturers, San Francisco, and connected with the firm for forty-two years, died at his home in that city July 1 on his seventy-first birthday. He is survived by his widow and a son, George B. Littlefield, of Los Angeles.

The Spanish export duty on olive oils, not including sulfur olive oil remains for the month of July, 10 pesetas per 100 kilos according to a cablegram to the Department of Commerce from Assistant Trade Commissioner Burke at Madrid.

The purchase and issue subdivision, United States Veterans' Bureau, Arlington building, Washington, D. C., is taking bids until July 22, for one paraffine oven, walls constructed of 5-ply wood, as specified in Circular 2.

United Sanitary Products Co. New York, manufacturers of liquid soaps and allied products, are planning the erection of a four-story plant at Foster ave. and Buckley st., Brooklyn, estimated to cost \$155,000.

The navy supply officer, Navy Yard, Philadelphia, has received permission to purchase 3,000 pounds white lead, as per N.S.A.F. requisition 999.

### TURPENTINE HIGHER IN SAVANNAH

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Savannah, Ga., July 14.—Turpentine advanced over the week and is now quoted at 79½c. Every day has shown an increase of business and most of the buyers have had orders to fill both at Savannah and Jacksonville. The bulk of the receipts was not offered on the open market. Nearly all deliveries for July contracts have been made. The constant heavy demand to fill foreign orders has prevented the price from going lower. Receipts of turpentine for the week were 5,428 barrels; sales reported 1,684 barrels; shipments 2,707 barrels, and stock 12,722 barrels. Rosin market closed firm after a very active week and all offerings have been taken. The prices of today show advances of about 5 to 10c on different grades compared with the week previous. Receipts for the week have been 15,623 barrels, sales reported, 13,093 barrels; shipments, 2,869 barrels; and stock, 93,264 barrels.

Jacksonville, July 14.—Turpentine market closed firm at 79½c. Offerings of 372 barrels were sold. Much of the material bought of late was for shipment by Steamer Camillo, which was cleared with a cargo of 9,251 barrels for London. The rosin market also closed firm with WW at \$6.25; WG \$5.75; N \$4.80; M K I H G F E \$4.62½; D \$4.55; E and L \$4.40. Sales have been 1,037 barrels.

### TURPENTINE IN DEMAND IN FRANCE

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Paris, France, July 5.—Despite the relative stability of foreign exchange, the French turpentine market continues weak, but business is fairly active and comparatively large quantities of turpentine have changed hands. The Paris district, in particular, seems anxious to cover its requirements for future delivery and has passed heavy orders at francs 475 per 100 kilograms (exchange francs 19 to the dollar). Foreign buyers have also been active in the French market, but despite the demand sellers have offered more than the market could take up.

Rosins have had a heavy drop in prices, and the quantities offered are steadily increasing. French quotations are still, however, much higher than in the United States and there seems little chance of a further decrease in the near future. The highest grade rosins are still quoted at exorbitant figures and foreign buyers fight shy of passing orders at present prices. American competition in the British and North European countries has completely shut out the French product from those markets.

### EMPLOYEES BUY OUT DEVOE & RAYNOLDS

Control of Devoe & Raynolds Co., one of the oldest paint manufacturing firms in the country, has passed to sixteen employees who have bought control from the old owners. Due to the new policy of advertising and the modern methods of advertising adopted by the younger generation, a statement by the company said, its sales have doubled in the past five years, at an annual increase of about 25 per cent. It is said that last year the company earned \$895,676.78 net and had a surplus of \$1,166,479.12.

The new officers are: E. S. Phillips, president, who started with the company as a retail clerk; E. D. Peck, vice-president and general manager, who joined the company as a road salesman; De Lancey Kounize, treasurer; P. le B. Gardner, vice-president and director of sales; A. C. Stephan, vice-president and director of administration; E. S. Blackledge, vice-president and director of plants; E. B. Prindle, vice-president; G. H. Phillips, vice-president; S. R. Harrington, vice-president, and A. F. Adams, secretary.

## Chemicals for Consuming Industries

Heavy Chemicals, page 188, Tan and Dyestuff, page 208, Fatty Oils, page 207.

### MAKERS REFUSE TO SHADE PRICES

**Some Sellers Stand Fast and Practically Withdraw, But Shading Here and There Unsettles Market—For Midsummer, Small Lot Buying Is Fair—Foresee Textile Pick-up**

Although a number of sellers have reached the point where they are standing fast in the midst of competition, shading here and there on firm business has unsettled the market. Prices apparently turn firm until a real order comes into the market, after which many holders of spot chemicals forget firmness in their desire to take the business. In a number of products, strong houses are quoting figures which amount to a practical withdrawal from the market for the time being. For mid-summer, the demand for chemicals in small lots is fair, and said to be better than May and June demand. Were business completely dormant at present, price levels would undoubtedly be steadier than they are. The small inquiries are the chief depressing influence in to-day's competition. A pick-up in the textile industries to last this summer is foreseen in the chemical trade, and broadened demand from this field is expected.

### Agricultural Chemicals

#### Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre. War
Acid Sulfuric, 66%.....ton	\$14.00	\$14.00	\$14.00	\$15.00	\$35.00	\$20.00
Ammonium Sulfate, 100 lbs.	2.40	2.30	2.60	3.20	7.75	2.65
Arsenic.....lb.	.08	.08	.08 1/2	.15 1/2	.18	.04
Copper Sulfate.....100 lbs.	4.30	4.60	4.65	5.50	20.00	4.50
Paris Green.....lb.	.30	.30	.30	.20	.50	.11
Potash Murate, 90%.....ton	31.00	31.10	31.10	35.55	475.00	39.57
Potash Sulfate, 90%.....ton	41.27	41.27	41.27	45.67	440.00	48.07
Phosphate Rock, 68%.....ton	2.25	2.25	2.25	3.25	11.00	3.00
Phosphate, Acid, 16%.....ton	7.00	7.50	7.50	9.00	21.00	15.00
Sodium Nitrate.....100 lbs.	2.42 1/2	2.65	2.60	2.50	5.50	1.90
Average.....	10.517	10.617	10.612	11.957	103.54	13.784

Firmness of ammoniates and nitrate represent the stronger elements of a rather quiet fertilizer chemical situation. Spot nitrate stocks are now available. Reports on arsenicals conflict, although Southern advices state that the high price for cotton may bring more late buying of calcium arsenate this year than in previous years as a preventive measure. Blue vitriol is lower on reduced demand and competition. Menhaden catch in the Chesapeake is reported much reduced.

### Fertilizers

**Ammoniates**—Fish holds firm at Baltimore at \$2.85@ \$3.00 unit for acid scrap; dried \$3.25@ \$3.50; catch cut in half during past week, according to reports. Tankage, high grade, in New York moved up to \$3.00 unit following higher prices in Chicago last week, the latter naming \$3.25. Bulk \$2.50 Chicago; \$2.65 New York. Spot dried blood held at \$3.00 unit and firm thereat. Better offers of Chicago were heard at \$3.25. Cyanamid at \$2.00 unit New York.

**Ammonium Sulfate**—Retarded production will undoubtedly affect this market in time. Lack of demand, however, has softened prices this week and makers are now naming \$2.45@ \$2.50 hundred f.o.b. works. Export sulfate still at \$2.60 f.a.s. in double bags.

**Sodium Nitrate**—Goods reported afloat last week have not arrived and are available at \$2.42 1/2 hundred spot, with material following on boats now afloat at \$2.37 1/2, expected August arrival. Last week, little or nothing was available on the Eastern seaboard, and the price was nominally \$2.65 hundred.

**Phosphates**—Quotations on acid phosphate still heard at \$7.50 hundred Baltimore, although reports state \$7.00 is now the price of some producers.

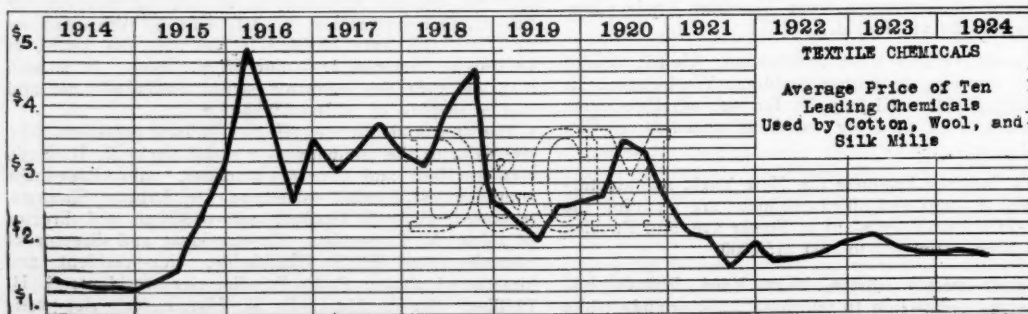
**Potash Salts**—Prices steady without change. Demand quiet at the following: Potash murate, 80%, \$31.10 ton; potash sulfate, 90%, \$41.27 ton; double manure salt, 48%, \$23.72; manure salt, 30%, \$15.33; 12.4%, \$6.50.

**Lime**—Agricultural lime showed no change at \$10.50 to \$12.00 tons at kilns according to quality, quantity and shipper.

### Insecticides and Fungicides

**Arsenicals**—Little improved demand for finished arsenical insecticides. Arsenic is in slightly better demand and prices seem firmer. A number of arsenic sellers have reached the point where they are refusing to cut further. Owing to the good price which the South will receive for its cotton this year, a late heavy demand for calcium arsenate as a preventive measure, is looked for. Present prices, 10c@11c lb. delivered Southern city. Paris green steady basis 30c lb. Sale 50 tons lead arsenate to New York City for foliage spraying; price reported 18c.

**Copper Salts**—Prices are easier for bluestone in competition with domestic material offered down to \$4.40 hundred. The general asking price of makers is \$4.50.



INDUSTRIAL CHEMICAL SECTION

Imported material at \$4.25 and not finding a good market in competition with domestic at the higher price. The carbonate is 16c and easy thereat.

**Miscellaneous**—Bordeaux mixture at 11c ranging up to 16c lb. as to quantity, packing, and brand. Formaldehyde at 9c, at which price makers are strenuously objecting, stating this is too low. Carbon bisulfide at 6c in large drums unchanged. Smaller packages to 7c lb. Nicotine sulfate offered more freely at \$1.05@\$1.10; lime sulfur 8c lb. for dry; corrosive sublimate, 98c lb.

### Leather Chemicals

	Trend of the Market					Pre-War
	Today	Last Week	Last Month	Last Year	War Peak	
Acid, Acetic, 28% .....	\$3.12	\$3.12	\$3.12	\$3.38	\$17.00	\$1.50
Acid, Formic, 90% .....	.13	.13	.13	.12½	1.50½	.07
Acid, Lactic, 22% dark....	.05	.05	.05	.04½	.07	.02
Potassium Bichromate ....	.09¼	.09¼	.09¼	.10	.65	.06¼
Epsom Salt, reeh .....	1.80	1.80	1.80	1.85	3.75	1.00
Sodium Prussiate, Imp....	.09½	.09¼	.10	.16	1.25	.18
Soda Ash, 88% wks.....	1.38	1.38	1.38	1.45	4.10	.69
Sodium Richromate .....	.07¼	.07¼	.07¼	.07¼	.45	.04¼
Sodium Hyposulfite, pea..	2.50	2.50	2.50	2.75	3.75	1.80
Sodium Sulhde, 60% wks..	.03¼	.03¼	.03¼	.04¼	.10¼	.02¼
Average .....	.926	.926	.927	.999	3.267	.528

Demand chemicals from the leather trade continue limited to small lots. Prices are generally unchanged, but if anything, tend slightly lower in a few products.

**Acids**—The movement of stocks is routine. Price changes have been absent. Acetic acid is moving slowly at \$3.12@\$3.37 for 28% in barrels at works; 56%, \$5.85@\$6.10; glacial, \$11.01@\$11.76; formic is in regular demand at 12½c lb. for 85% and 13c lb. for 90%; lactic

acid is unchanged at 5c@5½c lb. for 44% dark and 5½c@6c lb. for light; 44%, dark, 10½c@11c lb. and light, 12½c@13c lb.; 20° muriatic is moving at \$1.20@\$1.70 according to quantity in carboys; oxalic is easier at 9¼c@10c lb.; 66° sulfuric in carboys named at \$1.25@\$1.75; tartaric moving at 27c@30c lb.

**Alkalis**—Alkali shipments have declined. New business is quiet. Prices for export firmer. Makers' prices are unchanged for contracts at \$3.10 for solid caustic in carlots drums works; spot business less carlots at \$3.76@\$3.91, delivered; ground and flake, \$4.16@\$4.31; soda ash holding at \$1.25 bulk, \$1.38 bags and \$1.63 carlots barrels works on contract; less than carlot business.

**Dye and Tan Woods**—No changes have been reported during the past week, the market appears to be stationary both on spot as well as abroad. Divi-divi steady at \$42@\$43 ton. Sumac firm, though inactive, at \$158@\$160 ton.

**Extracts**—If this new "pool," which is being formed among quebracho manufacturers, goes through, possibilities exist that it will not become effective before Jan. 1, 1925. Gambier firm at 11½c@14c lb. spot for 25 per cent; 12½c@13c lb. for common; and 21c@23c lb. for Singapore cubes.

**Oils**—A sharp recovery has taken place in the general list of miscellaneous oils during the past week. Advances have been reported in many items and the sentiment toward future business is constantly improving. Animal oils continue in good demand with several advances this week. Oleo oil is selling higher at 13½c@13¾c lb., for No. 1, and 10c lb. for No. 3. Cod oil is quoted 58c@60c gal., in bbls., N. Y., and light

## THE CLEVELAND-CLIFFS IRON CO.

UNION TRUST BUILDING

CLEVELAND, O.

# ACETONE ACETIC ACID METHANOL

strained menhaden, 55c@57c lb. No. 3 castor oil is quoted 15½c lb. Linseed oil is unchanged at 96c gal., carlots, and 99c gal., less than carlots.

### Paper Chemicals

	Trend of the Market					War Peak	Pre-War
	Today	Last Week	Last Month	Last Year			
Aluminum Sulfate .....	\$2.40	\$2.40	\$2.40	\$2.40	\$5.50	\$1.50	
Bleaching Powder .....	1.90	1.90	1.90	1.75	9.50	1.50	
Casein .....	10½	10½	10½	25	28	20	
China Clay, Dom. ....	10.00	10.00	10.00	15.00	25.00	8.00	
Chlorine c/1 Cyl. ....	.08½	.08½	.08½	.05½	.30	.08	
Salt Cake .....	20.00	20.00	20.00	25.00	80.00	11.00	
Sodium Silicate, 40° ..	.80	.80	.80	.95	1.75	2.00	
Soda Ash .....	1.38	1.38	1.38	1.45	4.10	.69	
Sulfur .....	18.00	18.00	18.00	18.00	65.00	20.00	
Rosin F grade .....	5.80	5.80	5.75	5.95	4.50	20.25	
Average .....	6.005	6.005	6.000	7.190	13.30	5.50	

General steadiness in chemical raw materials for the paper trade has been noted this week. Bleaches, rosins, casein, clays, and others are unchanged. Demand is slack and confined to small lots owing to reduced paper trade activity.

**Alkalis**—Alkali shipments have declined. New business is quiet. Prices for export firmer. Makers' prices are unchanged for contracts at \$3.10 for solid caustic in carlots drums works; spot business less carlots at \$3.76@3.91, delivered; ground and flake, \$4.16@4.31; soda ash holding at \$1.25 bulk, \$1.38 bags and \$1.63 carlots barrels works on contract; less than carlot business.

**Bleaches**—Generally unchanged. Bleaching powder at \$1.90@2.10 hundred as to drums and quantity. Small lots spot business, \$2.35@2.60. Liquid chlorine

at 4½c unchanged tank cars; 5½c cylinders carlots; 6½c less cars; less ton lots 7½c lb. Position basically strong.

**Chemicals**—Alumina sulfate steady at \$2.25@2.35 hundred for iron free, ranging down to \$1.30 for ordinary commercial. Salt cake \$18.00@20.00 ton; sodium silicate, 75c for drums 40°, and 80c for same in drums; sodium bisulfite 4c dry; sulfur is \$14.00 at mines unchanged; talc \$14.00 up as to quality and position.

**Sizings**—Casein steady at 10½c New York. Stocks plentiful, and demand routine. Rosins continue dull and unchanged, ranging from \$5.55 for B, up to \$7.60 for WW.

Hollingsworth & Voss Co., Boston, has been operating at capacity for two years and their salesmanager says that they could have used the output of six additional machines if they had them. Consequently since the first of the year they have been seeking new mills. They were unable to find one that contained a cylinder machine and fourdrinier machine so they obtained an option on 324 acres near the town of Covington, Va., on the C. & O. Railroad. The West Virginia Pulp & Paper Co. attempted to buy this land and Hollingsworth & Voss took up their option. They will shortly erect a mill there to cost between \$1,500,000 and \$2,000,000 and employ 500 people in the manufacture of electrical, sand and tag papers.

Sir Henry Thornton, president of the Canadian National Railways, announces that French interests have completed arrangements for the construction of a mill at Winnipeg, Man., for the manufacture of paper pulp from straw. The process was discovered in France and the patents are controlled there. The promoters of

Trade



Mark

"Picking up" dyestuffs here and there may pay an apparent profit, but in the long run the buyer who has established close relations gets the plums. Many of the friends we have attracted throughout a service of 54 years adhere closely to this policy.

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Springfield, Mass.  
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# HF & G

## Tartaric Acid Cream Tartar

The HARSHAW, FULLER  
& GOODWIN CO.

Hanna Building, Cleveland

New York  
Philadelphia  
Chicago

Cincinnati  
St. Louis  
Los Angeles



the enterprise, Sir Henry said, had come to the Canadian National Railways asking what the latter was prepared to do in the matter of rates. As it would be a new industry and beneficial to the Western farmers the company will make a low rate.

Supplemental briefs in opposition to lowering the present import duty of 2½c. per pound on casein have been filed with the Tariff Commission. One of the is was filed by W. L. Crounse, representing a casein factory in California, controlled by Smith, Kline & French Co., Philadelphia. The other brief, a joint one, was filed by representatives of farm organizations, as follows: A. M. Loomis, of American Dairy Federation; W. H. Bronson, of New England Milk Producers Association, and John D. Miller and Charles W. Holman, of National Cooperative Milk Producers Federation.

### Rubber Chemicals

#### Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Antimony Sulfide Crim....	\$3.39	\$3.39	\$3.39	\$3.35	\$4.45	\$3.35
Carbon Bisulfide .....	.06	.06	.06	.06	.50	.10
Carbon Black .....	.12	.12	.12	.15	.30	.14
China Clay, Imp. ....	16.00	16.00	16.00	16.00	20.00	14.00
Hexamethylene .....	.82½	.82½	.82½	.97	1.35	..
Iron Oxide, Span. ....	.03	.03	.03½	.04	.04½	.05
Lithopone .....	.06½	.06½	.06½	.06	.08	.04
Sulfur .....	3.05	3.05	3.05	2.50	6.50	2.75
Whiting, Dom. ....	14.00	14.00	14.00	18.00	30.00	11.00
Zinc Oxide, Amer. ....	.08	.08	.08½	.07	.09½	.09
Average .....	3.462	3.462	3.464	3.820	5.931	..

Little activity in rubber chemicals has been noticed during the past week with the exception of whiting and

barytes, which have been in demand from consuming quarters. The trade appears to be waiting for the passing of the Summer months before contracting for large quantities. With a number of tire plants running on part time only, sellers are not expecting any great expansion in chemical buying for the moment, at least. Prices, however, do not appear to be weakening because of the slow demand.

**Acid**—Acetic remains unchanged over last week at the following quotations: \$3.12@3.37 cwt. for 28 per cent; \$5.85@6.10 for 56 per cent; \$7.20@7.45 for 70 per cent; \$8.19@8.44 for 80 per cent, commercial; \$9.98@10.23 for 80 per cent, pure; and \$11.01@11.75 for glacial.

**Accelerators**—Little inquiry noted for this line. Aniline oil is steady at 16c@17c lb. works, and 17c@18c lb. spot. Diphenylguanidine is quiet at the moment at \$1.05 @ \$1.15 lb. spot as to seller and quantity. Hexamethylene is in fair demand at 82½c@85c lb. spot as to quantity. Litharge is easy at \$10.50@11.00 cwt. spot. Quinoidine is in small demand at 55c@60c lb. spot. Carbanilide is also quiet at 27c@29c lb. spot as to quantity.

**Colors and Compounding Materials**—Demand has been generally routine in character. Aluminum flake is quiet at \$23@27 ton works. Antimony sulfurette appears to have been forgotten by consumers. Quoted at 19c@24c lb. spot for golden, and 39c@50c lb. for crimson material. Asbestine is quiet at \$18@20 ton works. Blanc fixe is steady at 4c@4½c lb. f.o.b. New York. Carbon black, while quiet, is also firm at 8c@8½c lb. works in c/l; ordinary, 12c@14c lb.; air floated, 14c@16c lb.; and 12c@14c lb. for compressed in case lots on spot. Lithopone is easy at 6½c@6½c lb. spot. Magnesium carbonate holders name 8¼c@8¾c lb. spot, and calcined at 5¼c@6c lb. Talc appears quiet at \$16@18 ton works, or \$28



# Aero Brand

## Yellow Prussiate of Soda Yellow Prussiate of Potash

A new method of production ensures the highest purity, in small crystals as well as large.

Raw materials, all of our own manufacture, and large production capacity, guarantee a dependable source of supply, at favorable prices.

**AMERICAN CYANAMID CO.**  
511 Fifth Avenue New York

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Henry W. Peabody & Co., 17 State St., New York	Cable Address: Blagdenite, London

## Rohm & Haas Co., Inc.

40 N. Front St.  
PHILADELPHIA, PA.



## Hydrosulphites and Sulphoxylates

for the  
**Textile Industry**

**LYKOPON**—A concentrated SODIUM HYDROSULPHITE, for indigo and vat dyeing.

**FORMOPON**—For discharge printing and stripping.

**FORMOPON EXTRA**—For stripping woolen goods and shoddy.

**PROTOLIN**—For stripping woolen goods.

**ALUMINUM CHLORIDE** — Crystals and liquid, for carbonizing woolen stock.

@\$30 ton ex-warehouse for domestic; French, \$40@\$50 ton; and Italian, \$60@\$80 ton. White barytes is in fair demand at \$23@\$25 ton works, and \$29@\$34 ton for imported material. Whiting is also in steady demand at \$13@\$15 ton for domestic, and \$18@\$20 ton for imported. Zinc oxide remains quiet at 8¼¢@9¢ lb. spot.

**Mineral Rubber**—Holders name \$35@\$75 ton works as to quality.

**Solvents**—C.P. acetone is quiet though firm at 15¢@16¢ lb. works as to quantity; and methyl acetone, 70¢@80¢ gal. Benzene is steady in spite of the reported heavy stocks of gasoline for the month of June which are said to be the largest in history. Quoted at 23¢@25¢ gal. works in tanks, and 28¢@30¢ gal. in drums for 90 per cent material. Pure named at 24¢@26¢ gal. in tanks, and 29¢@33¢ gal. in drums.

**Sulfur**—In routine demand only at \$3.05@\$3.30 cwt. as to quantity; and superfine at \$2.50@\$2.90 cwt.

The value of rubber goods exported in May, 1924, has been exceeded in only two months, March and April, 1923, since the close of the boom period in 1920, according to the Department of Commerce. Features of the May export trade were heavier shipments of automobile casings and other tires, rubber belting, and record-breaking shipments of rubber soles and heels, which, combined with the continued activity in other lines resulted in total shipments of rubber products valued at \$3,669,432, compared with \$3,431,676 in May, 1923.

R. H. Eagles, of J. M. Huber, Inc., New York, makers of carbon black, has just returned from a trip to the Pacific Coast. He says that business in the West appears to be more active than in the East.

Carbon black demand has been very good in spite of the falling off due to the general movement to restrict the making of tires, according to "The India Rubber World," which says: "The extension in the use of carbon black in many mechanical rubber goods, boots, and shoes, and other lines, where its resistance in promoting abrasive wear is being more fully realized, is most gratifying."

## Textile Chemicals

### Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre. War
Acid, Acetic, 28% .....	\$3.12	\$3.12	\$3.12	\$3.17½	\$17.00	\$1.50
Acid Oxalic .....	.10	.10	.10½	.13	.70	.07½
Bleaching Powder .....	1.90	1.90	1.90	1.75	9.50	1.50
Copper Sulfate .....	4.50	4.60	4.70	5.60	20.00	4.50
Epsom Salt, U.S.P. ....	2.10	2.10	2.10	2.25	4.25	1.50
Glauber's Salt .....	1.20	1.20	1.30	1.25	2.50	.80
Potash, Caustic, Imp. ....	.06¼	.06¼	.06¼	.07¾	.87	.12
Soda Ash, 58% wks. ....	1.38	1.38	1.38	1.45	4.10	.60
Soda Caustic, 76% wks. ....	3.10	3.10	3.10	3.16½	9.50	1.80
Sodium Bichromate .....	.07½	.07½	.07½	.07½	.45	.04¼
Average .....	1.763	1.773	1.783	1.790	4.800	1.42

The third advance in starches and dextrines in a fortnight took place during the week, based on the rising price of corn. This was by far the feature of the textile raw material situation, and stood out in a generally quiet market.

**Acids**—The movement of stocks is routine. Price changes have been absent. Acetic acid is moving slowly at \$3.12@\$3.37 for 28% in barrels at works; 56%, \$5.85@\$6.10; glacial, \$11.01@\$11.76; formic is in regular demand at 12½¢ lb. for 85% and 13¢ lb. for 90%; lactic acid is unchanged at 5¢@5½¢ lb. for 44% dark and

# ALIZARINE RUBINOLE R



A Quality  
Dyestuff  
Alone In  
Its Field

THE GRASSELLI CHEMICAL CO.

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Chicago

5½c@6c lb. for light; 44%, dark, 10½c@11c lb. and light, 12½c@13c lb.; 20° muriatic is moving at \$1.20@ \$1.70 according to quantity in carboys; oxalic is easier at 9¾@10c lb.; 66° sulfuric in carboys named at \$1.25@ \$1.75; tartaric moving at 27c@30c lb.

**Alkalis**—Alkali shipments have declined. New business is quiet. Prices for export firmer. Makers' prices are unchanged for contracts at \$3.10 for solid caustic in carlots drums works; spot business less carlots at \$3.76@ \$3.91, delivered; ground and flake, \$4.16@ \$4.31; soda ash holding at \$1.25 bulk, \$1.38 bags and \$1.63 carlots barrels works on contract; less than carlot business.

**Bleaches**—Generally unchanged. Bleaching powder at \$1.90@ \$2.10 hundred as to drums and quantity. Small lots spot business, \$2.35@ \$2.60. Liquid chlorine at 4½c unchanged tank cars; 5½c cylinders carlots; 6½c less cars; less ton lots 7½c lb. Position basically strong.

**Chemicals**—Copper sulfate is easier this week at \$4.40 for domestic material and down to \$4.10@ \$4.15 hundred for imported, as to seller and quality. Oxalic acid is slightly lower in keen competition at 9¾c@10c lb. Glauber's salt is higher abroad.

**Starches and Dextrines**—Strength in the corn market has again caused producers to advance prices 20c per 100 lbs. on all starches and dextrines. This advance marks the third within a fortnight. A slightly improved feeling prevails in the New England districts as one of the large mills recently resumed operations on a reduced scale. Demand continues light. British

Gum is now quoted \$4.59@ \$4.74; white corn dextrine, \$4.24; yellow, \$4.29. Powdered corn starch is quoted \$3.77; pearl, \$3.67 per 100 lbs. Tapioca flour is quoted 6c@6½c lb.

New business in chemicals and dyestuffs in the Boston market remains very slow but there is a better sentiment following the more cheerful news from the textile industry, noticeable among which is the report that certain mills in Lowell and Lawrence have issued orders that all vacations be completed by Aug. 1. This is taken as indicative of a strong belief that demand for textiles is about to expand and is really the first encouraging news that the chemical and dyestuff people have received for some time.

W. F. Lamarine, Peerless Dyeing and Finishing Co., Providence, R. I., who has been away from his desk for the better part of nine months because of serious stomach trouble, has returned to active business.

The Development Committee of the British Dyestuffs Industry has compiled a list of British colors, with their foreign equivalents. The Board of Trade, London, is the publisher.

Fielding Jones, president of Providence Drysalts Co., won second place in the Fourth of July golf tournament at Equinox, Manchester, Vt.

James Mac Dowell, Royal Chemical Co., dyestuff jobbers, Providence, R. I., sailed on July 6 for a two months pleasure tour of Europe.



**COLUMBIA BRAND**

Columbia Chemical Division,  
Pittsburg Plate Glass Co., Barberton, Ohio

# Caustic Soda

All Tests



# Soda Ash

Dense-Light  
Granular if Desired

Sole Selling Agents

## The Isaac Winkler & Bro. Co.

50 BROAD STREET      FIRST NAT'L BANK BLDG.  
NEW YORK              CINCINNATI

# VICTOR CHEMICAL WORKS

## CHICAGO, ILL.

# OXALIC ACID

Phosphate of Soda  
Epsom Salts  
Ammonium Phosphate  
Phosphoric and Formic Acids  
Tri-Sodium Phosphate

BRANCHES  
New York  
Nashville  
St. Louis



# IMPORTS OF BACTERIOLOGICAL STAINS AND REAGENTS CAME FROM GERMANY

Invoice Value of Stains \$2,335 for 29,142 Grams Over  
Period of Six Months—Imports of Reagents Totaled  
16,122 Grams, Valued at \$152—Many Products Com-  
petitive

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., July 16.—Imports of bacterio-  
logical stains through the port of New York for the  
six months from January to June totaled 29,142 grams

with an invoice value of \$2,335, according to a state-  
ment by the Chemical Division of the Bureau of Foreign  
and Domestic Commerce and the Chemical Division of  
the Tariff Commission. The imports of reagents totaled  
16,122 grams with an invoice value of \$152.

Of the total quantity of bacteriological stains im-  
ported for the six months 86 per cent came from Ger-  
many and 14 per cent from England. Of the total  
quantity of reagents and chemicals imported for the six  
months the entire quantity came from Germany. The  
detailed statement is as follows (competitive and non-  
competitive products are designated by letters):

Bacteriological Stains		Name of Stain		Name of Chemical	
Name of Stain	Quantity Grams	Name of Stain	Quantity Grams	Name of Chemical	Quantity Grams
Acid green-c	100	Methyl blue-c	250	m-Chloro-benzic acid-nc	20
Alizarin dry-c	800	Methyl orange-c	200	a-Eichloro-naphthalene	100
Alizarin blue	100	Methyl violet 1B-c	330	p-Dimethyl-amido-azo-benzene-c	454
Alizarin blue S-c	900	Methyl violet 5B-c	1,350	p-Dinitro-benzene-c	50
Alkali blue	450	Methyl violet 6B-c	350	Dinitro resorcinol-nc	100
Alkali blue (spirit soluble)	500	Methylene blue-nc	3,750	Ferropyrine	25
Aniline yellow-c	100	Methylene blue BX-nc	200	Guaycol salol	10
Anthraccene blue	100	Methylene blue medicina-c	50	Iatrin	1,130
Aurartia	250	Methylene blue-nc	751	Lacmoid	750
Azure I-c	595	Methylene blue eosine	450	m-Phenylenediamine hydrochloride	4,636
Azure II-c	95	Neutral red-c	100	Naphthalene-nc	2,500
Azure II eosin-c	475	Neutral red	43	Naphthalic acid-c	300
Biebrich scarlet	200	Nigrosine (water soluble)	550	Naphthylamine hydrochloride	907
Biondi-Erich-Heiderhain dry	100	Nigrosine (spirit soluble)	550	b-Hydroxynaphthoic acid	500
Bismark brown-c	2,750	Nile blue sulphate-c	100	p-Phenylenediamine hydrochloride-c	130
Bismark brown-nc	125	Ponceau R	250	Pincyanol	50
Bordeaux K	50	Purpurine-nc	1,000	Potassium phthalimide	10
Carmalaun dry	450	Pyronine	325	Quinoline-c	300
Chromogene-c	100	Pyrol blue	230	Sodium paracresolate	10
Chrysoidine-c	100	Red stain-nc	230	Sodium sulfosalicylate	10
Corallin (water soluble)-c	200	Romanowsky stain	450	Tetramethyldiamidodiphenylmethane-c	50
Cresyl fast violet-c	200	Romanowsky stain-nc	276		
Crystal violet-c	200	Safranin O-c	200		
Dahlia-c	200	Smaragd (Emerald) green-c	100		
Eosine-nc	113	Toison blood fluid-nc	241		
Eosine azure-nc	28	Toluidine blue-c	475		
Eosine methylene blue	3,300	Tropaeoline O-c	200		
Eosine methylene blue-nc	64	Tropaeoline OO-c	425		
Fast green-nc	100	Uranine-c	50		
Fast yellow-c	100	Vesuvine-c	100		
Fuchsine-nc	43	Other stains	450		
Fuchsine basic-nc	325				
Gentian violet-nc	489				
Green stain-nc	57				
Indigo carmine-c	550				
Indigo carmine-nc	113				
Leishman's stain	460				
Light green FS-c	250				
Malachite green-c	600				

## JUNE DYE IMPORTS

(Concluded from Page 162)

Potassium sulphoguaiacolate-nc-Switzer-	
land, Germany	760
Rodinal-Germany	20
Salium-Germany	11
Salvarsan-Germany	1,300 amps.
Sodium salicylate and potassium bicar-	
onate-nc-England	4
Solution salt B-Germany	500
Staphylase-nc-France	238
Synthetic resin-c-Germany	239
Toluene sulfodichloramide and bolus alba	
-Germany	36
(a) Port of St. Louis	
(b) Port of Buffalo	

## NEW DYE STANDARDS ANNOUNCED

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., July 16.—The Customs Service,  
Treasury Department, last week issued another addi-  
tional list of standards of strength of dyes, colors, etc.  
This is the third list that has been made public by  
the department. It is probable that more will follow  
from time to time.

The last list, No. 3, follows (The imported product  
identical with standard is indented under each standard).

No.	Class Index	Name of Standard	Mfr.
1 d	S.816 C.1131	Algol Red 5 G 12 1/4% paste.....(By)	
		Algol Red 5 G. Pastes & Powder.....(By)	
		Vat Red 5 G. Pastes & Powder.....(By)	
2 d	S.279 C.336	Benzo Fast Scarlet G.S. ....(By)	
		No identical product	
3 d	D.d.)	Diamine Brilliant Scarlet S. ....(By)	
		No identical product	
4 d	(A)	Fast Sulphon Green 2 G.....(S)	
		Fast Sulphon Green 2 G Conc.....(S)	
5 d	(V)	Hydron Scarlet 3 B. 16 2/3% paste.....(C)	
		Hydron Scarlet 3 B Pastes & Powder.....(C)	
6 d	(V)	Indanthrene Brown 3R 12 1/4% paste.....(B)	
		Indanthrene Brown 3 R Pastes & Powd.....(B)	
		Vat Brown 3 R. Pastes & Powder.....(B)	
7 d	(M)	Metachrome Brilliant Blue BL.....(A)	
		No identical product	
18	S.822 C.1136	Algol Brilliant Orange F.R. 12 1/4% paste..(By)	
		Vat Orange R.R.K Pastes & Powder.....(B)	
7 a	S.779 C.1063	Alizarine Orange A. 20% paste.....(B)	
		Alizarine Orange Pastes & Powder.....(M)	
96	S.297 C.353	Benzo Fast Pink 2BL .....(By)	
		Diamine Fast Rose BBF .....(C)	

107	(D)	Benzo Rhoduline Red 3 B.....(By)	
		Benzo Rhodamine Red 3B .....(By)	
290	S.913 C.1217	Helindone Orange R 10% paste.....(M.)	
		Hydron Orange R. Pastes & Powder.....(C.)	
329	S.831 C.1162	Indanthrene Red BN Extra 12 1/4% paste.....(B.)	
		Helindone Red DIBN Pastes & Powder.....(M.)	
72 a	S.830 C.1142	Indanthrene Red R. 12 1/4% paste.....(B.)	
		Anthra Red RT Pastes & Powder.....(B.)	
1 e	S.617 C.814	Chloramine Yellow GG .....(By)	
		No identical product	
2 e	S.868 C.1171	Cibanone Brown B. 20% paste.....(J.)	
		Cibanone Brown B. Pastes & Powder.....(J.)	
3 e	S.546 C.715	Cyanole, Extra .....(C.)	
		No identical product	
4 e	S.617 C.814	Diamine Fast Yellow .....(C.)	
		Naphthamine Yellow BNF .....(K.)	
5 e	(D.d.)	Diazo Brown 3 R.....(By)	
		No identical product	
6 e	(V.)	Grelanone Yellow G. 10% paste.....(Gr.E)	
		Grelanone Yellow G. Pastes & Powder.....(Gr.E)	
7 e	(V.w.)	*Helindone Black 3 B Vat Solid.....(M.)	
		*Anthra Wool Black 3 B. Vat Solid.....(B.)	
8 e	(V.w.)	*Helindone Black T. Vat Solid.....(M.)	
		*Anthra Wool Black T. Vat Solid.....(B.)	
9 e	(V.w.)	*Helindone Brown CM Vat in Grains.....(M.)	
		*Anthra Wool Brown CM Vat Solid.....(B.)	
10 e	S.746 C.1006	Immedial Green GG Extra .....(C.)	
		No identical product	
11 e	(M.)	Metachrome Olive C. ....(A.)	
		No identical product	
		* (V.w.)—Vat dye for wool or wool and silk.	
61	S.778 C.1027	Alizarine VI Extra Pure 20% paste.....(B.)	
		Alizarine Red 2 AB Pastes & Powder.....(M.)	
102	S.296 C.340	Benzo Fast Yellow 4 GL Extra.....(By)	
		Diamine Fast Yellow 4 G.....(C.)	

163	S.551 C.720	Chromoxane Brilliant Blue G.....(By)
		Brilliant Blue G, G Conc.....(By)
56	S.888 C.1053	Alizarine Saphirol S. E.....(By)
		Buinea Light Blue SE.....(A.)
1 d	S.816 C.1131	Algol Red 5 G. 12 1/4% paste.....(By)
		Vat Red 5 G K.....(By)

Correction: Naphthamine Yellow BNF (K) is removed from the original list (T.D. 40192) as being commercially identical with standard No. 149, Chloramine Yellow FF (By) since recent shipments are too far off in shade for comparison.

### TEXTILE MILLS RESUME WORK

William Skinner & Sons, Holyoke, Mass., silk mills, resumed work on July 7. American Thread Co. in the same city also reopened at that time, as did the plant of the American Writing Paper Co.

Belding Silk Mills, Northampton, Mass., long closed by a strike, resumed work last week, but few operators are reported to have returned to the plant.

Manetta Mills, Lando, Chester County, S. C., which have been on half time schedule for some weeks, resumed a fifty-hour week in all departments on July 7. They manufacture blankets and cotton yarns.

Monarch Mills, Lockhart, S. C., will reopen July 21 after a two weeks' shut-down.

Baldwin Cotton Mills, Chester, S. C., resumed operations on July 7 after a week's closing to permit operatives a holiday.

Bigelow-Hartford Carpet Co., Thompsonville, Conn., resumed operations on a two-thirds capacity July 7 after a lengthy shut-down. The tapestry department was closed since May 24, and all other departments since June 18. The company normally employs about 4,000.

Farr Alpaca Co., Holyoke, Mass., has reopened on a four-day week schedule and about 3,600 people have returned to work.

Hockanum Mills Co., Rockville, Conn., will resume operations in its three mills Monday, having been closed down eleven days.

Thames Textile Co., Norwich, Conn., will employ night and day working forces.

### CHEMICAL SUPPLIES WANTED

The general purchasing officer, Panama Canal, Washington, D. C., will take bids until Aug. 1 for a quantity of calcium chloride, artificial leather, copper, brass, bronze, sheet zinc, as specified in Circular 1619.

The medical section, New York General Intermediate Depot, Army Supply Base, Brooklyn, is asking bids until July 17, for a quantity of laboratory supplies, as set forth in Circular M-NY-4.

The Domestic and Foreign Commerce Department, Chicago Association of Commerce, Chicago, has received an inquiry (No. 3022) from a company at Memphis, Tenn., in the market for calcium arsenate. Also, an inquiry (No. 3009), from a company at San Diego, Cal., desiring to purchase quantities of oil anise, cassia, cloves and methyl salicylate.

The Bureau of Supply, Treasury Department, Washington, D. C., will take bids until July 18, for 10 gals. paint, 30 gals. varnish, and 5 gals. of color, as per Circular 61. Also, until July 21, for 100 lbs. white lead, 5 gals. turpentine and 5 gals. linseed oil, as specified in Circular 79.

The Philadelphia Commercial Museum, Foreign Trade Bureau, Philadelphia, has received an inquiry (No. 42465) from a company at Pernambuco, Brazil, interested in lubricating oils, shoe polish, varnishes, syrups, zinc, perfumes. Also an inquiry (No. 42467) from a firm in Buenos Aires, Argentina, interested in purchasing soaps.

### Financial Notes

Hildreth Varnish Co. has filed judgment in New York county against Ernest B. Mason for \$118.07.

Keats Chemical Produce Corp., New York, has increased its capitalization from \$25,000 to \$125,000.

Columbian Carbon Co. has declared a quarterly dividend of \$1 a share, payable Aug. 1 to holders of record July 21.

International Nickel Co. has declared a quarterly dividend of 1 1/2% on the preferred stock, payable Aug. 1 to holders of record July 17.

Among securities sold at auction in the salesrooms of Adrian H. Muller & Sons, 20 Vesey st., last week were 100 shares Tennessee Copper, and Chemical Corporation common V. T. C.; \$7 1/4 per share; 152 shares National Drug Stores Corp. preferred; \$150 lot; 488 shares National Drug Stores Corp. common; \$50.

An important readjustment of business conditions, characterized by decreases in industrial and trade activity and lower prices, is noticeable, says the Federal Reserve Board. The board calls attention to reduced earnings by industrial workers, with a consequent curtailment in their buying power and sharp decreases in production.

John Borg, president of Callahan Zinc-Lead Co. in a letter to stockholders announces that all of the officers were re-elected at the annual meeting of the Board of Directors. Mr. Borg reports to stockholders that the company had on hand approximately \$900,000 in cash and marketable securities and a current indebtedness of about \$15,000.

Participation of United States Smelting, Refining & Mining Co. in the recent sale of silver to the Polish government was 1,000,000 ounces, says the "Boston News Bureau". Total amount of metal contracted for by Poland was between 3,000,000 and 3,200,000 ounces and the market price was paid, or approximately 66 cents an ounce. This sale was split three ways, between American Smelting & Refining Co., Metals Sales Corp. and United States Smelting Co. The metal is to be coined by the United States mint into Polish "zloty," the new currency. Delivery of the silver is to be made to the mint over the next four or five months.

### BANK SAYS PRODUCTION IS LESS

The industries have continued on a declining scale of operations, recessions having been general and unusually rapid since the middle of April, without as yet any signs of early recovery, says the National City Bank, New York. The precipitate character of the decline is due in less degree to any fundamental development than to a change of sentiment regarding the business outlook. Special conditions, in several industries contributed to this change, but probably the most influential factor was a general feeling that railroad expenditures and building operations, which have figured so largely in industrial activity for two years, had reached a declining stage. As the opinion spread that production had reached the crest for the present, and that prices were more likely to decline than advance, a general falling off of commitments naturally followed. The movement has been more pronounced from the fact that certain important industries have not shared in the prosperity of the past year.

# **QUOTATIONS ON CHEMICAL STOCKS**

Closing Prices for Week Ending July 12.

Bid	Asked	Bid	Asked
*Air Reduction .... 78	79	Hercules Powder ... 90	95
*Allied Chem. & D. 74	74 3/4	Hercules Powder, pf. 102	103 3/4
*Allied Ch. & D., pf. 117	119	Hycden Chem. .... 1	1 3/4
*Am. Ag. Ch. .... 10	10 3/4	Hooker Electro .... 8	15
2Am. Ag. Ch., pf. .... 2 3/4	30 3/4	Hooker Electro, pf. 35	45
*Am. Chiclé, pf. .... 23	24 1/2	*Household Products 33 3/4	33 3/4
*Am. Chiclé, pf. .... 65	70	*Int. Agricult. .... 3 1/4	1
Am. Cyan. .... 72	74	*Int. Agricult. New. 3 3/4	4
*Am. Cyan., pf. .... 4	4 1/2	*Int. Agricult., pf. .... 5	6
*Am. Druggist S. .... 35	37	*Int. Nickel, pf. .... 16 3/4	16 3/4
Am. Glue, pf. .... 104	108	*Int. Nickel, pf. .... 88	88
*Am. Linseed .... 19 1/4	19 3/4	*Int. Salt .... 70	75
*Am. Linseed, pf. .... 39	39 3/4	*Mathieson Alk. .... 42	43
*Am. Metal .... 41 1/4	42	*Mathieson Alk., pf. 88	90
*Am. Zinc .... 7 1/4	8	MacAnd. & Forbes. 140	146
*Am. Zinc, pf. .... 25	27	MacAndrews & Forbes, pf. .... 98	101
Archer-Dan-Mid. .... 15	19	Merck & Co., pf. .... 60	63
Archer-Dan-Mid., pf. 84 1/2	85 1/2	Merrimac .... 81	85
*Atlas Powder .... 43	50	Mulford Co. .... 29	32
*Atlas Powd., pf. .... 84 1/2	87	*National Lead .... 144	145
By-Prod. Co. .... 32	35	*National Lead, pf. 111 1/4	113
By-Prod. Co., pf. .... 37	40	N. J. Zinc .... 140	142
Canad. Ind. Al. .... 30	32	Niag. A., pf. .... 80	85
Canad. Salt .... 93	98	Parke, Davis & Co. 77	79
Casela Co. .... 60	62	Penn Salt .... 81	84
Celluloid Co. .... 46	52	*People's Gas, Chi. 98 1/2	98 1/2
Celluloid Co., pf. .... 100	105	Procter & Gamble. 108	110
Charcoal Iron .... 1 1/4	1 3/4	Procter & Gam., pf. 105	110
Ches. Mfg. .... 40 1/4	50	Royal Bak. Po. .... 123	134
Ches. Mfg., pf. .... 112	115	Royal Bak. Po., pf. 99	100
Clark Co., Fred .... 3 1/4	4 1/4	Shawinigan .... 130	132
Cleve. Cliffs Iron. .... 60	65	Sherwin-Williams .. 28	31
*Com'l Solv. A. .... 62	62 3/4	*Sterling Prod. .... 59	60
*Do B. .... 54	55 1/4	Swan & Finch .... 40	42
*Corn Products .... 34 3/4	35	*Tenn. C. & Chem. .... 7	7 3/4
*Corn Products, pf. 119	120	*Tex. Gulf, Sul. .... 60 1/2	60 1/2
*Davison Chem. .... 53 1/4	56	Union Carbide .... 59 1/2	59 3/4
Dow Chem. non par. 62	64	*Un. Drug .... 80 1/2	81
Dow Ch., pf. .... 94	98	*Un. Drug, 1st pf. 48 1/4	49
Dow Drug Co. .... 130	135	*Un. Dyewood .... 35	40
Dow Drug Co., pf. 103	108	*Un. Dyewood, pf. .... 88	88
*Du Pont de Nem. 126 1/4	127	Un. Gas Imp. .... 70 1/4	76
*Du P't de Nem. Db. 88 1/2	89	Un. Gas Imp., pf. .... 57	58
*Eastman Kodak .... 107 3/4	108	U. S. Gypsum .... 83 1/4	84
*Eastman Kodak, pf. 111	111 1/2	*U. S. Indus. Al. .... 72	72 3/4
*Freepport Tex. .... 9 1/4	9 3/4	*U. S. Indus. Al., pf. 101	103
*Gen'l Asphalt .... 42 3/4	43 1/4	*Va. Car. Ch. .... 1 1/4	1 1/4
*Gold Dust .... 37 3/4	38	*Va. Car. Ch., pf. .... 3 1/4	4 1/2
Grasselli .... 120	125	*V. Vivadon .... 4 1/4	5
Grasselli, pf. .... 100	105	Will & Baumer .... 12	15

\*Listed on New York Stock Exchange  
Unlisted Stocks Through Courtesy Pynchon & Co.

FOREIGN EXCHANGE	Par	Current
Great Britain (pound sterling) .....	\$4.866	\$4.36
France (franc) .....	193	.061
Italy (lira) .....	193	.042
Germany (mark) per hundred .....	23.80	2.92
Czechoslovakia (crown) per hundred .....	20.30	2.92
Poland (zloty) .....	193	.193
Japan (yen) .....	489	.416
Holland (florin) .....	402	.377
Spain (peseta) .....	193	.182
Belgium (franc) .....	193	.045
Switzerland (franc) .....	193	.182
Norway (krone) .....	268	.194
Sweden (krone) .....	268	.266
Denmark (krone) .....	268	.160
Argentina (peso) .....	424	.327
Brazil (milreis) .....	324	.109
India (rupee) .....	486	.310
China (Silver dollar-Hongkong) .....	789	.526
(Tael-Shanghai, silver) .....	1.086	.722
(Tael-Peking, silver) .....	1.156	.742

Arthur Reynolds, president of the Continental and Commercial Bank, Chicago, says that the volume of all businesses and the profits they have returned so far this year have been much better than is generally conceded. Business conditions, he states, are fundamentally sound despite difficulties in a few specific industries and the political situation is much more encouraging.

Loadings of revenue freight in the week ended June 28 totaled 908,355 cars, a gain of 4,655 over the week before, but a decrease of 113,116 cars when compared with the same week last year. Compared with the same week two years ago, when the miners' strike was in progress, a gain of 45,510 cars is shown.

## **New Incorporations**

Geo. W. Morgan Co., Rochester, N. Y., \$100,000. Manufacture extracts and foods. G. W. Morgan, M. M. Hays, J. M. Hedges. Attorneys, Carroll and O'Connell.

Moon Products, New York, 500 shares common stock, class A, \$100 par value; 500 shares common stock, class B, \$50 par value. Chemists, M. L. Simon, E. Simon, M. Neustadt. Attorneys, Lawrence and Wiseman, 220 Broadway.

Sarmac Corp., New York, 200 shares common stock, no par value. Chemicals. H. W. Paprocki, F. H. Butchorn, C. J. Ferrie. Attorney, F. J. Knorr, Albany.

Martha Co., Dover, Delaware, \$250,000. Manufacture jellies and marmalades. United States Corporation Co.

Sun Maid Confections, Wilmington, Delaware, \$1,200,000. Manufacture confections. Corporation Trust Co. of America.

Midas Corp., Philadelphia, organized in Delaware, \$50,000. Manufacture soaps. William H. Hahn, August G. Gruber, Rupert C. Schaeffer. Capital Trust Co. of Delaware.

Mapalrow Co., Poughkeepsie, N. Y., \$100,000. Manufacture flavoring extracts. S. Pollack, W. J. Ward, N. Deyo. Attorney, E. C. O'Connell.

Ira L. Beebe & Co., New York, \$500,000. Manufacture wood pulp. I. L. Beebe, H. Hollensen, A. E. Clark. Attorney, F. J. Knorr, Albany.

Individual Perfumes, New York, \$20,000. Manufacture perfumes. L. J. Havey, A. M. Hcnohan, H. Roeder. Attorney, S. V. Ryan, Albany.

P. A. Benjamin Manufacturing Co., New York, \$150,000. Manufacture toilet and chemical appliances. P. A. Benjamin, H. Deb, F. Escala. Attorney, I. Corkland, 233 Broadway.

Lyons Fertilizer Co., Tampa, Fla., \$250,000. Manufacture fertilizer products. Chas. W. Lyons, W. L. Waring.

United Oil and Fertilizer Corp., Chincoteague, Va., manufacture fertilizer products. Wm. A. Lerner, Alexander A. Barber, Grand Central Bldg., New York.

Willessen Manufacturing Co., Malden, Mass., \$100,000. Deal in chemicals and oils. William J. Good, Randolph, Mass., William T. Snow, Norman W. Haines, Boston, Mass.

Pyro Talc Co., Boston, Mass., \$250,000. Manufacture talc products. Henry J. Whitaker, Charles P. King, William H. Abbott.

Yunck Glass Manufacturing Co., 15 Exchange Place, Jersey City, N. J., \$100,000. Manufacture glass and glass products.

Rodamy Corp., 167 Main st., Hackensack, N. J., \$100,000. Manufacture toothpaste and compounds.

Chlorine Association of America, New York, \$25,000. Make chlorine. L. S. Gotthelf, H. Pollack, T. G. Donovan. Attorney, M. W. Solomon, 103 East 125th st.

Atlas Halvah Co., New York, \$30,000. Manufacture candy. P. A. Zizelman, N. B. Gurock, J. Kirschner. Attorneys, Carmody, Roth & Mayer, 42 Broadway.

Secure Capsule Co., New York, 100 shares common stock, no par value. H. A. Bonyne, B. A. Parks, P. E. Gottwik. Attorney, W. Bonyne, 1451 Broadway.

Standard Lacquer Co., New York, \$50,000. Manufacture. M. Lerner, J. Lerner, J. Gold. Attorneys, Ort and Forst, 280 Broadway.

Giant Paint Corp., Phoenix, Ariz., \$1,000,000. Manufacture paints. C. Williams, Raymond Alec, Dean Woodward.

**Canadian Incorporations**  
Wood's Chemicals, Ltd., Toronto, Ont., \$300,000. Manufacture chemicals. Thomas J. Agar, Aubrey T. Maher, Joseph W. Thompson.

Cairncross & Lawrence, Ltd., London, Ont., \$30,000. Manufacture drugs and medicines. Arthur R. Cairncross, Lucinda A. Cairncross, Dean R. Russell.

Aird & Son, Ltd., Montreal, \$300,000. Manufacture leather. Errol M. McDougall, Gilbert S. Stairs, Pierre F. Casgrain.

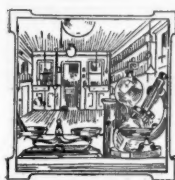
Columbia Leather Co., Ltd., Montreal, \$50,000. Manufacture leather. John D. Kearney, Frank Callaghan, Louise Edwards.

La Compagnie d'Importation Parisienne Dixor, Limitee, Montreal, \$30,000. Agency for perfumes, toilet powders. De Lucien Royer, Adrien Royer, Gaston Royer.

Nothing in the week's reports indicates any fundamental change in general business, but none is to be expected at this period, Dun's review says. It is normally the time of year for abatement of operations, except in the sale of summer specialties, and the slowing down in most directions is a seasonal trend. Some revival of buying interest in certain textile divisions is an encouraging phase, and the packer hide market is more active and firmer, but the main condition is still one of limited demand and lower prices.

Customs collections in the San Francisco district for the fiscal year ending June 30 were the highest in the history of the port, amounting to \$11,032,929.79.





# Drug & Fine Chemical SECTION



## The Coming Coal Tar Tariff Cut

*American Manufacturers Agree September Reduction  
Will Have Little Effect on Low-Priced Items*

**I**N ABOUT two months, the Fordney Tariff ad valorem rates on coal-tar products will be reduced from sixty to forty-five per cent on refined chemicals and dyes, and from fifty-five to forty per cent on crude and intermediate products. The reduction in duties will become effective Sept. 20, 1924, as provided in Par. 27 and 28 of the act when passed by Congress. In a recent issue of DRUG & CHEMICAL MARKETS, an analysis of the probable effects of the cut in tariff rates was made by one of the foremost Government authorities. In a general way, he concluded that the reduction would be felt most by the higher priced products protected chiefly by the ad valorem rates, and that the effect on low priced chemicals and dyestuffs would be little. He stated, furthermore, that he believed the September change has already been discounted both by manufacturers and consumers. The following opinions by leading producers give their views on the same subject.—The Editors.

Edgar M. Queeny, Monsanto Chemical Works, St. Louis: "The tariff change scheduled this fall should not affect adversely manufacturers of products selling below \$1.50 a pound, provided of course they have been manufacturing a sufficient length of time to develop efficient processes. With many products selling at higher figures, the result is doubtful, as these products are usually manufactured in small volume, which gives the European manufacturer full benefit of his lower labor scale. On the whole the American chemical manufacturers are suffering more from domestic competition than foreign and I don't believe the forthcoming change in duties will alter this position materially."

Edwin Kuttroff, Verona Chemical Co., Newark, N. J.: "In our opinion, the effect of the downward change in the coal-tar tariff rates on the industry in general, effective in September, will be very small. The prevailing prices of today are so close to the cost of manufacturing, that we doubt if these products can be imported, even at the lower rates effective in September. Of course there may be a few exceptions, but the number cannot be very large, nor important."

A. H. Pierce, Grasselli Dyestuff Corp., New York: "It is very difficult to say what the effect will be of the downward change in the coal-tar tariff rates, effective in September. Unquestionably, there will have to be a revision on the prices of certain products manufactured in this country. Such tonnage colors as indigo, sulphur black, direct black, acid black, direct blue, etc. etc. will in all probability be very little affected by the tariff changes, as the prices today are already so low that they do not invite further competition."

E. J. Barber, White Tar Co. of N. J., New York: "Like other manufacturers, we have somewhat carefully studied the tariff reductions effective in September in an attempt to determine what effect these reductions would have on our coal-tar products business. The company is concerned primarily with the so-called crude

coal-tar products and the tariff reductions will not, in our opinion, have any effect whatsoever on either price or quantity production of these products. While domestic prices have been somewhat higher than foreign prices, they are not by any means as high as the foreign prices, plus duty. We are convinced that the 15% reduction in the ad valorem rate of duty will still leave a measure of production amply sufficient to protect the American manufacturer of crude coal-tar products."

Cesare Protto, E. I. du Pont de Nemours & Co., Wilmington: "We have read with great interest the views of a high official of the Government as expressed in the article on "Effects of the Coal-Tar Tariff Cut", and we believe that this opinion is a very sound one, indeed. It seems to us that it is impossible to predicate at the present time what will be the final results of the changes in the coal-tar tariff rates which will become effective in September next."

Herman A. Metz, H. A. Metz & Co., New York: "I read the article by the high Government Official and believe on the whole his conclusions are about right. Even without the rate which takes effect in September, we are still more than amply protected in manufacturing on this side and the industry will continue to prosper and expand without some of the provisions in the tariff law which now hamper and exasperate the consumers."

J. L. Schroeder, A. Klipstein & Co., New York: "In my opinion, this change in tariff has already affected coal tar prices on the vats and other imported colors adversely, for the reason that the holders of any stocks are attempting to unload before the low tariff may permit the import of replacements at substantially lower costs, although I believe the suppliers abroad will correspondingly increase their prices to off-set the lowering of the tariff here. For this reason we do not see any substantial reduction in prices on imported colors for the future as a result of this change in tariff."

## The Fine Chemical Market

Current Spot Quotations for Fine Chemicals, page 188

### IMPORTED CREAM TARTAR TENDING FIRM

Spot Supplies Limited—Replacements 21c Pound Duty Paid—Glycerin Higher—Acetanilid Cut by Resellers—Potassium Bromide Higher—Mercury Quiet—Imported Menthol Easy—Importers of Citric Meeting Domestic Price

### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced		Declined	
Glycerin, C.P., ½c lb.	Bromides, Potassium, Imp., 1c lb.		
Acetanilid, Resales, ½c lb.	Bay Rum, Porto Rican, 5c gal.		
Acid, Citric, Imp., 1c lb.	Haarlem Oil, Imp., 50c gross		
Acid, Diethylbarbituric, 25c lb.	Menthol, Imp., 25c lb.		
	Mercury, 50c flask		

### Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre. War
Acetanilid .....	\$.32	\$.32	\$.32	\$.32	\$2.00	\$.20
Acid Citric, Import .....	.46	.47	.47½	.51	1.25	.45
Caffeine Alkaloid .....	3.50	3.50	3.50	3.65	18.00	3.65
Calomel, American .....	1.22	1.22	1.22	1.25	3.43	.90
Camphor, Jap., ref. ....	.71	.71	.72	.87	3.55	.41
Iodine, Resublimed .....	4.40	4.40	4.40	4.55	5.00	3.75
Menthol .....	10.50	10.75	11.75	9.75	13.50	3.00
Potassium Bromide, Cryst. ....	.38	.38	.38	.26	4.30	.80
Quinine Sulfate, Imp. ....	.50	.50	.50	.49	.90	.25
Sodium Salicylate .....	.40	.40	.40	.47	4.25	.27
Strychnine Sulfate .....	.41½	.41½	.43½	.84	2.05	.50
Average .....	2.39	2.11	2.20	1.96	5.92	1.56

While the movement of fine and medicinal chemicals has been along routine lines during the past week, the general trade appears more optimistic about the balance of the Summer months. They argue that stocks in consuming quarters will need replenishing long before the general pick-up in the chemical business begins in the Fall. The declines this past week were confined mostly to goods held in resale hands. The manufacturers are holding steady at formerly quoted values. Some active buying of saccharin, imported citric acid, and cod liver oil has been reported. Makers of alcohol also state that, while immediate demand has not been so active, some very good orders have been booked for future delivery. Holders of potassium bromide have advanced prices further. Last week imports of bromides were heavy, but the trade thinks that most of this arrival was sold some time ago.

**Acetanilid**—Resellers have reduced prices and now quote 29½c@30c lb. spot as to quantity. Makers still name 30c@32c lb.

**Acid, Acetylsalicylic**—Market dull with demand limited to routine requirements. Makers name 75c@85c lb. spot as to quantity, and resellers 70c@71c lb.

**Acid, Citric**—Imported named lower in competition with the domestic material. Quoted at 46c@47c lb. spot as to quantity and seller with shipment named at 31c lb. c.i.f. New York, or 48c lb. duty paid. Foreign manufacturers do not appear willing to shade this price. Domestic named at 46c@47c lb. spot. The trade is uncertain whether the domestic maker is quoting low prices to keep out competition with the imported material or whether he is actually over-producing and wants to get rid of his material.

**Acid, Diethylbarbituric**—Imported has declined and now quoted at \$3.50@3.75 lb. spot owing to small demand and keener competition for available business.

**Acid, Phosphoric**—Market firm and domestic inside

at 16c@17c lb. spot with practically no imported material available.

**Acid, Salicylic**—Makers still quote 35c lb. spot, and resellers name 33c@34c lb.

**Acid, Tannic**—In small demand at the moment at 75c@80c lb. for U.S.P. powdered material.

**Acid, Tartaric**—Market dull and little interest shown by importers to place orders with foreign makers. Quoted at 27c@28c lb. spot, and domestic at 30c lb.

**Alcohol**—Demand for future delivery active. No. 1 specially denatured quoted at 45½c@47½c gal. spot in drums, and No. 5 completely denatured at 44½c@46½c gal.

**Alcohol, Butyl**—In active demand at 30c@32c lb. works as to quantity.

**Alolin**—Quiet at 82½c@85c lb. spot.

**Amidopyrine**—Demand has eased off to practically nothing, according to several sellers. This item, however, is a seasonal one, and is, therefore, not expected to be active at this time of the year. Imported quoted at \$4.35@\$4.50 lb. spot, and domestic \$4.60 lb.

**Amyl Acetate**—In active demand at \$3.25@\$4.00 gal. spot for refined material, and \$2.80@\$3.00 gal. for crude.

**Antipyrine**—Dull at \$2.10@\$2.20 lb. spot. A difference of about 30c pound will be noted in this item after Sept. 22 owing to the new change in the tariff.

**Bay Rum**—Porto Rican quoted lower at \$1.20@\$1.25 gal. for goods medicated with salicylic acid or quinine sulfate. St. Thomas, \$1.20@\$1.25 gal.

**Bromides**—Imported potassium has advanced again and now quoted at 25c@27c lb. spot; ammonium, 29c@31c lb.; and sodium, 33c@35c lb. Last week saw 610 cases and 53 barrels entered at New York. Domestic named firm and active at 44c@45c lb. spot for ammonium; 38c@39c lb., potassium; and 38c@39c lb. sodium.

**Caffeine**—Resellers lower at \$3.40@\$3.50 lb. spot, and makers holding at \$3.50@\$3.75 lb.

**Camphor**—Japanese 2½ lb. slabs quoted steady at 71c@73c lb. spot as to seller with prompt shipment still inside at 62c lb. c.i.f. New York. Demand routine with some forward business reported. Last week saw 390 cases entered at New York, of which 90 came from Hamburg. Domestic named at 88c lb. in bulk.

**Castor Oil**—Market firm at 16c@17c lb. spot as to quantity.

**Cod Liver Oil**—Demand on spot for goods from stock is small, but some good forward business has been reported. Norwegian quoted at \$20.50@\$22.00 bbl. spot as to brand and quantity. Last week saw 100 barrels entered at New York.

**Cream Tartar**—Imported quoted firm at 20½c@20¾c lb. spot with replacements named inside at 21c lb. duty paid New York. For the past three months little material has been imported, with the result that stocks on spot are becoming low. Even a small demand over a long period will eventually take supplies off the market. Domestic named at 21¼c@21½c lb.

**Formaldehyde**—Makers still name 9c@9½c lb. works in c/l in spite of the weak raw material. Carboys, 10c@10½c lb.

**Fusel Oil**—Refined named at \$2.75@3.25 gal. spot, and active thereat.

**Glycerin**—C.P. has advanced owing to scarcity and now quoted at 17c@18½c lb. spot as to quantity. Dynamite also higher at 16¼c@16½c lb. as to seller. Slow soap business has resulted in small output of crude glycerin.

**Haarlem Oil**—Imported named lower at \$4.00@4.25 gross, and domestic quoted at \$3.50 gross.

**Menthol**—Imported material easy with holders inside at \$10.75@11.25 lb. spot as to seller and quantity with prompt shipment fully equal to these figures. The future shipments, however, are much easier than prompt. Last week saw 40 cases entered at New York from Kobe; 25 cases from Hamburg; and 5 cases from London. Domestic, \$10.50@10.75 lb.

**Mercury**—Has declined and now quoted at \$72@73 flask spot with London named £13 per flask; Almaden mine, £14 ex-mine; Amiata mine in Italy, £14 3s f.o.r.; Idria, £13 5s ex-mine; and Siele, £13 5s ex-mine. Estimated shortage as of July 1 is reported to be 8,000 bottles, and stocks on spot are said not to be in excess of 1,000 bottles. Last week saw 200 flasks entered at New York.

**Podophyllin**—Market easy at \$5.75@6.00 lb. spot from first hands, and \$5.65@5.70 lb. from resale quarters.

**Potassium Permanganate**—Imported in fair demand at 14c@15c lb. spot as to quantity, and domestic at 14c@14¼c lb. works.

**Saccharin**—Demand active at \$1.90@2.10 lb. spot as to quantity. Last week saw 2 cases entered at New York from Germany.

**Santonin**—In small demand at the moment at \$145@150 lb. spot.

**Sodium Benzoate**—Considerable activity reported at 65c@68c lb. spot.

#### DR. BAEKELAND PRAISES CHEMISTS' WORK

Dr. L. H. Baekeland, president of the American Chemical Society and professor of chemical engineering at Columbia University, draws the attention of members of the society to the broad field in which they are working. Dr. Baekeland says the chemists' mission is to war on waste, disease and ignorance. The society, he says, can teach Congress better to appreciate the great value to the nation of the scientific departments of the Government and to insure better treatment of many men who are doing excellent work there, although their usefulness is little understood by the masses.

It can enlighten the public at large about the full scope of chemical science, Dr. Baekeland says. The average man becomes acquainted with the achievements of chemistry only as they have led to visible results in the industries. But he does not know that there exists today in the United States a numerous group of men, little known outside their own field, who are building the foundation on which future progress of science and all useful applications of chemistry must rest.

William D. Neuberg returned July 11 on the steamship Berengaria from a six months' trip around the world. Mr. Neuberg was accompanied by his mother, Mrs. William Neuberg, wife of William Neuberg, New York importer of citric and tartaric acids.

M. Kelso, a chemist at the Corbyville distillery near Belleville, Ont., Canada, was killed instantly on July 5 in an automobile accident.

#### MENTHOL HIGHER IN LONDON

**Distress Parcels Recently Offered in Hamburg Have Been Absorbed—Higher Prices Quoted for Castor Oil and Balsam Tolu—Citric Acid, Sal Soda and Lemon Oil Lower**

(Special Cable to DRUG & CHEMICAL MARKETS)

London, July 16.—Menthol is quoted higher this week owing to removal from the Hamburg market of the distress parcels which weakened prices recently. Balsam tolu and castor oil have been advanced. Prices are firmer for hydrastis, camphor, Japanese mint oil, senega root and cloves.

Quotations are easier for cascara, forward delivery, opium, ipecac and the salicylates.

Prices are lower for citric acid, sal soda and lemon oil.

London, July 5. (By Mail)—Beyond the heavier demand this summer for seasonal products owing to excessive heat London markets in general show little improvement. During the first six months of this year a very gradual decline in values took place but the net result, when considering the many adverse influences experienced during that period, still compares favorably with the previous half year and shows very little change in the general level of prices.

The latest news from Smyrna confirms the prospect of an ample crop of opium of 4,000 to 5,000 cases. Taking into consideration the drastic International restrictions imposed on the sale and distribution of this product and its derivatives, the present forecast may be taken to equal a pre-war crop of double the amount.

In view of the prospect of an insufficient crop of Bourbon vanilla shippers are unwilling to entertain contracts over next year at last year's prices. The crop will be much later than usual and in the meantime the market is fully maintained.

Advices from Belgium point to a more favorable yield this season of Roman chamomiles. Later weather conditions have been favorable and with a rather larger balance of last year's growth lower prices will probably rule later on. New flowers are being offered forward at 200s per cwt.

Senega on spot has been much reduced and 3s per lb. is now paid. Menthol until recently has been higher in London than elsewhere, but it is thought in some quarters that the recent depression brought about by forced sales from Hamburg is already spent and that we have seen bottom for the present. It is reported that an effort is being made by several holders to stabilize the price here at about 50s at which Japan is now offering c.i.f. for present shipment.

Robert C. Sweetser, professor of chemistry, Worcester Polytechnic Institute, Worcester, Mass., died last week at his home in Worcester. He was born in Worcester and was 81 years old. Immediately after his graduation from Worcester Tech. he was made a member of the faculty in the chemistry department.

Gordon I. Hoover, M.A., demonstrator in chemistry at the University of Toronto, has been awarded the exhibition scholarship for scientific research. The award, which is of the value of £250 a year for a minimum of two years, enables the winner to carry on researches in universities abroad.

Wilfred A. Dodds, vice-president Penman-Little-Holes Chemical Co., Syracuse, N. Y., was fatally injured by the collapse of a stairway in the company's factory on the day that the plant was re-opened after a year's shutdown.



## The Crude Drug Market

Current Spot Quotations of Crude Drugs, page 209

### RHUBARB ROOT UNDER PRESSURE ON SPOT

In Spite of High Replacements—Mexican Sarsaparilla Higher—Dandelion Root Scarce—Senega Root Easier—Caraway Seed Lower—Senna Pods Cut Sharply—Cascara Sagrada Lower

#### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Balsam, Tolu, 5c lb.	Advanced	Gentian Root, 1c lb.
Dandelion Root, 1c lb.		Sarsaparilla Root, Mex., 1c lb.
Balsam, Oregon Fir, 10c gal.	Declined	Rhubarb Root, 1c lb.
Caraway Seed, Dutch, 1½c lb.		Sandalwood Chips, 10c lb.
Cascara Sagrada, 1923 peel, 2c lb.		Senega Root, 2½c lb.
1924 Peel, 9c lb.		Senna, Pods, 10c lb.
Jalap Root, 1c lb.		Wild Cherry Bark, t.g.r., 1c lb.

#### Trend of the Market

	Last Today	Last Week	Last Month	Last Year	War Peak	Pre. War
Aconite Root, U.S.P.	\$ .39	\$ .39	\$ .40	\$ .38	\$ .50	\$ .12
Buchu Leaves, Short	.76	.76	.75	.90	4.00	.85
Cantharides, Russian	.90	.90	.90	1.75	9.00	2.10
Cocculus Indicus	.03	.03	.03	.03½	.85	.03
Ergot, Spanish	.30	.30	.30	.51	4.50	.54
Insect Powder, pure	.62	.62	.63	.60	1.00	.28
Ipecac, Cartagena, powd.	2.10	2.10	2.10	1.90	4.50	1.35
Nux Vomica	.05	.05	.05	.06½	14½	.07
Opium, gum	9.00	9.00	9.00	8.00	30.00	5.00
Rhubarb Root, H. D.	.29	.30	.30	.43	1.75	.15
Tragacanth, No. 1, ribbon	1.20	1.20	1.20	1.50	6.00	1.50
Wild Cherry Bk., thin nat.	.09	.09½	.11	.10	.21	.07
Average	1.32	1.32	1.32	1.36	5.28	1.00

While the tendency has been for the advances to offset the declines during the past week, buying has not taken on any definite turn, with the result that the general crude drug trade is waiting for something to happen. A number of sellers appear well satisfied with present conditions, which are described as a growing tendency for prices to ease off in the country and a general reduction of stocks in consuming quarters. They state that profits are better assured when prices are low, resulting in larger buying from the manufacturers. Reports from the Coast state that new crop materials are considerably lower than the present spot market in a number of items. Offerings from abroad are somewhat limited, although in a few instances sellers are desirous of obtaining ready cash for their goods. Insect flowers are easing off owing to the reported large crop, which is now being harvested.

**Aconite Root**—Quoted at 39c@41c lb. spot with some business inside at 40c lb.

**Agar Agar**—Spot market quiet with holders naming \$1.50@1.53 lb. for No. 1 Kobe material, and \$1.25 lb. for No. 3 goods with July-Aug. shipment named at \$1.12 lb. c.i.f. New York for No. 1, and 98½c lb. for No. 3 material. The high prices have curtailed consumption in the candy trade, but reports state that the drug trade is taking their full requirements. Last week saw 65 bales entered at New York.

**Aletris Root**—Market steady at 48c@50c lb. spot as to quantity.

**Aloes**—Curacao dull with holders naming 8c@8½c lb. spot in a jobbing way, and 7½c lb. ex-dock in 100 cases or more. Cape named at 8½c@8½c lb. Exports from Union of South Africa during January were 31,212 pounds, compared with 47,346 pounds for same months in 1923.

**Angostura Bark**—Scarce at 8c@9c lb. spot.

**Anise Seed**—Spanish quoted easy at 14½c@15c lb.

spot as to quantity, and star named at 11½@12c lb. July shipment of the former at 14¾c lb., and 10¾c lb. for the latter.

**Arabic Gum**—Amber sorts dull at 11½c@12c lb. spot with some holders naming 11¾c lb. inside.

**Asafoetida**—Whole quiet at 18c@20c lb. spot, and powdered 35c@37c lb.

**Balsams**—Oregon Fir has declined and now quoted at \$1.10@1.25 gal. spot as to seller and quantity. First hands are naming lower prices, but the quantities at for 25 barrels or more. Canadian Fir, \$12.50 gal. Tolu higher at \$1.75@1.85 lb.

**Belladonna Leaves**—Quiet at 23c@25c lb. spot, and root at 11c@12c lb.

**Blackhaw Bark**—Root easy at 37c@39c lb. spot, and tree at 17c@19c lb.

**Blueflag Root**—Scarce and firm at 30c@32c lb. spot.

**Buchu Leaves**—Market ranges from 76c@85c lb. spot as to seller with replacements about equal to these values. Little stock moving at the moment. Exports from Union of South Africa during January were 14,922 pounds, compared with 27,280 pounds for same month in 1923.

**Cannabis**—True imported material still off the market. American U.S.P. named at 70c@85c lb.

**Caraway Seed**—Dutch has declined again and now quoted at 15½@16½c lb. spot, and African at 15c@16c lb. Aug.-Sept. shipment of Dutch goods named at 9¾c@10½c lb.

**Cascara Amara**—True material closely held at \$1.25@1.35 lb. spot and so called at 25c@27c lb.

**Cascara Sagrada**—Spot market has eased off in sympathy with the Coast and now quoted at 25c@27c lb. for 1923 peel, and 18c@19c lb. for 1924 bark. The high prices for the bark during 1923 and 1924, appear to have stimulated production. Some large buying for export to England has been reported.

**Celery Seed**—Spot goods named at 32c@34c lb. with July-Sept. shipment quoted at 30c@30½c lb. c.i.f. New York.

**Chamomile Flowers**—Roman easy at 63c@67c lb. spot, and Hungarian at 7c@7½c lb.

**Cloves**—Zanzibar quoted steady 27½c@28c lb. spot with futures named considerably higher.

**Colocynth Apples**—Quoted off the market. The early part of last week sales were made at 50c lb. spot. Pulp named at 28c@30c lb.

**Condurango Bark**—In active demand and market is reported inside at 40c@43c lb. spot.

**Damiana Leaves**—Quiet with holders quoting 13c@15c lb. spot.

**Dandelion Root**—Firm and scarce with stocks well controlled at higher price of 35c@37c lb. spot.

**Deer Tongue Leaves**—In active demand at 13½c@14½c lb. spot.

**Dragons Blood**—Reeds quoted lower at 85c@90c lb. spot, and mass at 65c@67c lb.

**Elm Bark**—Market firm and now 26c lb. spot is inside for select goods in bundles. Grinding 16c@18c lb.

**Gentian Root**—Has advanced and now quoted at 9¼c@9¾c lb. spot as to quantity. Stocks are closely held.



**Golden Seal Root**—Market firm at \$3.60@3.70 lb. spot for whole, and \$3.85@3.95 lb. for powdered. Export demand active.

**Insect Powder**—Easy at 62c@65c lb. spot as to seller and quality, with Aug.-Sept. shipment named at 32c lb. c.i.f. New York. Crop for 1924 is expected to be larger than last year.

**Jalap Root**—Has declined and now quoted at 29c@31c lb. spot for whole, and 34c@36c lb. for powdered.

**Japan Wax**—Market quiet with holders naming 20c@23c lb. spot.

**Lobelia Herb**—Quoted at 33c@36c lb. spot as to seller and quantity.

**Mandrake Root**—Easy at 16c@18c lb. spot with tendency to lower figures owing to weakness in the country.

**Prince's Pine**—Lower at 25c@30c lb. spot.

**Quince Seed**—Quiet at 75c@\$1.00 lb. spot.

**Rhubarb Root**—Market has eased off in spite of firmness abroad, and now quoted at 29c@31c lb. spot for whole, and 34c@36c lb. for powdered.

**Saffron Flower**—Spanish steady at \$38@39 lb. spot with some inside at \$38.50 lb.

**Sandalwood**—Chips lower at 17c@18c lb. spot, and powdered material at 21c@22c lb.

**Sarsaparilla Root**—Mexican quoted higher at 19c@20c lb. spot owing to the advancing primary market. Last week saw 126 bales entered at New York. Honduras, 60c@62c lb.

**Senega Root**—Lower at 60c@62c lb. spot owing to easier shipment figures.

**Senna**—Pods lower at 14c@16c lb. spot due to new arrivals last week.

**Wild Cherry Bark**—Market easier owing to lower shipment figures. Thin green rossed named at 10c@12c lb. spot, and thin natural 9c@9½c lb.

**Worm Seed**—Levant scarce and closely held at \$5.25@\$5.50 lb. spot.

The spice market is moderately active, but does not show much force or expansion; the trade needs are fairly broad, but they have not affected values, beyond the bringing of steadiness and a firmer tone to the whole list, according to John Clarke & Co., New York, spice brokers, who say: "A same disposition prevails to buy in small lots, as well as a hesitation and restriction among manufacturers to hold off now as three or six months ago. Futures are narrowly handled, for it is hard to find out even the little that is known as to actual crop-harvest prospects in such articles as pepper, nutmegs, cloves, seeds, and all the other summer and autumn crops."

In order to procure continuity of management of American Chicle Co. a voting trust has been formed for the stockholders of the corporation, the members of the trust numbering five. They are Walter S. Primley, Warren S. Hayden, Louis R. Adams, Harold Benjamin Clark and Silas B. Adams. Under the terms of the agreement the voting trust will expire by limitation on June 16, 1929, but may be terminated at any time by a majority vote of the trustees on fifteen days' notice. All of the stock of the company will be deposited under the voting trust agreement.

The Federal Wholesale Druggists' Association will hold a convention at Minneapolis, Minn., on July 23-26 at the new Nicollet Hotel. The Northwest Drug Co. will act as host. J. H. Hargreaves, of Toronto, Canada, is president of the association.

## NARCOTIC IMPORTS SHOW DECREASE

The importation, sale and use of narcotics are decreasing, says "The Nation's Health". Opium importation has shown a decrease from 471,000 pounds annually to 136,000 pounds annually for a ten-year period, which represents a decreased per capita consumption from 36 grains annually to approximately 7 grains, in morphine the equivalent of seven-eighths of 1 grain. For the six months ending Dec. 31, 1923, the importation of opium particularly showed a decrease, while the sales of the various alkaloid derivatives of opium fell off 50 per cent. over the previous six months. The importation of coca leaves decreased from 626,341 pounds in 1920 to 342,260 pounds in 1923, a drop of approximately 50 per cent. in three years.

The number of addicts has decreased from 246,000 in 1900 to approximately 110,000 in 1924, according to Lawrence Kolb, surgeon, and A. G. DuMez, of the Public Health Service Workers, who have made a study of figures in a number of surveys on the prevalence and trend of drug addiction in the United States. They say in part: "The greater number of addicts in prison at present compared with former years is due to the rigid enforcement of recently enacted laws and not to an increase in the prevalence of addiction. The quantities of narcotics imported by this country at the present time are believed to be only slightly in excess of the amounts required to supply medicinal needs. While physicians have been credited with being responsible for the creation of many addicts in the past, it is concluded, as a result of our studies and observations, that but few cases of recent addiction can be so attributed. That the quantities of narcotics smuggled into this country are in all likelihood not as great as is believed by some is shown by the quantities reported as falling into the possession of the Bureau of Internal Revenue in the enforcement of narcotic laws. For the year ending June 30, 1922, the total quantity, including opium and coca leaves, preparations containing opium and coca leaves, the alkaloids of opium and cocaine, and preparations containing these alkaloids, was only 4,447 pounds. In 1923 it was 542 pounds.

"The accuracy of our observations is supported by the findings of Dr. Carleton Simon, Special Deputy Police Commissioner in charge of the Narcotic Division of the Police Department of New York City, who sent out a questionnaire to the physicians of New York state. Of the 7,559 physicians who replied, only 5.2 per cent reported that they were treating addicts in 1922."

## SMITH, KLINE & FRENCH HOLD A PICNIC

Over three hundred members of the combined office, sales and laboratory forces of Smith, Kline & French Co., Philadelphia, attended the company's first annual outing on Saturday, June 28, at Cresheim Valley, near Wissahickon Creek. The S. K. F. Orchestra, composed entirely of employees enlivened the occasion with the latest song hits. Athletic events of all kinds were crowned by a championship ball game between the laboratory and office teams. After the distribution of prizes to the winning contestants, a picnic supper was served, and was followed by a "community sing."

National Gum and Mica Co. has purchased the six-story building at 818-820 Greenwich st., New York. The property adjoins the northwest corner of Jane st. and was taken subject to a mortgage of \$40,000. The sellers allow an additional \$20,000 to remain for five years at 6 per cent.

## The Essential Oil Market

Current Spot Quotations of Essential Oils, 217, Aromatic Chemicals, 214

### OIL PEPPERMINT ADVANCES ON SPOT

Supplies Tending Scarce Between Crops—Oil Coriander Easier—Oil Anise Easy—Oil Cedar Wood Sharply Higher—Oil Wormseed Quiet—Oil Caraway Lower—Oil Cassia Higher for Shipment—Balsam Tolu Firm

### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	
Oil Cassia, Nat'l, 10c lb.	
Oil Cedar Wood, 2c lb.	
Oil Peppermint, Nat'l, 15c lb.	
Declined	
Oil Caraway, 60c lb.	Oil Coriander, 50c lb.
Oil Cedar Leaf, 5c lb.	Oil Orange, Italian, 5c lb.

Trend of the Market						
	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Oil Bergamot	3.50	\$3.50	\$2.75	\$2.55	\$7.00	\$5.00
Oil Citronella, Ceylon	.80	.80	.80	.70	.92	.60
Oil Cloves	1.75	1.75	1.75	2.20	3.70	1.40
Oil Lemon, Italian	.80	.80	.80	.75	1.70	2.00
Oil Peppermint, Nat.	4.00	3.85	4.00	2.65	9.00	2.25
Oil Sandalwood, E. I.	6.20	6.25	6.25	7.65	13.00	5.25
Oil Sassafras, Artif.	.35	.35	.35	.45	1.00	.26
Benzaldehyde, U.S.P.	1.50	1.50	1.50	1.50	5.15	1.50
Coumarin	3.40	3.40	3.30	4.50	31.00	3.10
Methyl Salicylate, Cans.	.47	.47	.47	.57	1.00	.90
Vanillin	.40½	.49½	.49½	.41	.95	.20
Average	2.11	2.10	2.14	2.03	6.83	2.05

The advance in oil cassia for shipment has featured the essential oil market during the past week. Prices have ranged from \$1.25 lb. c.i.f. New York, up to \$1.60 lb., the latter figure is said to be inside at the present time. When importers accepted the low figures, the sellers in Hongkong were not inclined to commit themselves. The trend of the market, while still downward, does not appear so pronounced as the week previous. The trade thinks that with any appreciable buying, higher prices in a number of items are likely to result. Some of the new crop reports have caused a sharp break in prices of the old stocks, and from the present information the declines are fully warranted. Similar conditions, however, were noted last year with the result that when the oil was actually distilled, a considerable short interest developed, resulting in sharp advances as sellers commenced to cover their sales. The usual pinch in oil peppermint appears to have arrived, and from now on, most houses look for higher prices in this item. No definite information has been received from Michigan in regard to the new crop oil peppermint.

### Essential Oils

**Oil Almond**—Holders report little demand at the moment with U.S.P. goods quoted at \$3.25@3.50 lb. spot, and fIPA at same prices.

**Oil Angelica Root**—While open price of \$32@36 lb. spot is being quoted, these figures, no doubt, can be shaded materially on firm business.

**Oil Anise**—Redistilled named easy at 52c@54c lb. spot, and natural at 50c@52c lb. with prompt or future shipment quoted at 55c lb. c.i.f. New York.

**Oil Bay**—Market dull with possibilities of shading \$2.25@2.35 lb. spot.

**Oil Bergamot**—Coppers quoted steady at \$3.50@3.70 lb. spot with prompt shipment named at \$3.80 lb. c.i.f. New York. Demand appears to have eased up.

**Oil Bois de Rose**—Generally quoted at \$4.25@4.50lb. spot with some houses inside at the maximum figure. Supplies are none too plentiful, although demand is also weak.

**Oil Cananga**—Little inquiry noted at \$2.75@3.00lb. spot for rectified, and \$2.00@2.25lb. for native material.

**Oil Caraway**—Spot stocks quoted lower at \$5.25@5.75lb. with new crop oil offered at \$3.50lb. c.i.f. New York for September shipment.

**Oil Cardamom**—Quiet with spot holders naming \$28 @30lb.

**Oil Cassia**—Natural has advanced and now quoted at \$1.55@1.65lb. spot owing to higher shipment prices, which are said to range from \$1.60lb. and up, as to seller. This item appears to be back in its old form, namely, almost daily movement over a 50 cent range. Redistilled unchanged at \$2.00@2.10lb.

**Oil Cedar Leaf**—Has declined and now quoted at 95c @1.00lb. spot as to quantity.

**Oil Cedar Wood**—Has advanced with holders inside at 44c@46c lb. spot. Some factors in the trade look for a 60c market within a short time owing to lessening of production in the country.

**Oil Celery**—Steady at \$10.00@11.00lb. spot.

**Oil Citronella**—Ceylon firm at 80c@90c lb. spot in drums as to seller and quality, and 83c@93c lb. in tins. Some forward buying has been reported, but the general trade appears to be waiting for lower prices. Java in drums is practically off the market. Tins, however, are available at \$1.30@1.35lb. spot. Some houses think that the shortage is temporary only, and with new crop material coming in, prices will become much easier. Another factor, says that practically all the oil that is now enroute to this country, is sold, and that nothing is being offered at the moment.

**Oil Cloves**—In small demand at \$1.75@1.85lb. spot in cans, and \$1.85@1.95lb. in tins.

**Oil Coriander**—Has declined and now quoted at \$11.50 @12.00lb. spot as to seller and quantity.

**Oil Eucalyptus**—Market dull with drums named at 53c lb. spot, and cases 55c@58c lb.

**Oil Geranium**—Bourbon quoted steady at \$6.75@8.50 lb. spot as to quality, and African at \$7.75@8.50lb. Reports are heard that one seller sent out a sample of pure African, and the prospective customer returned the goods, saying, "The sample is rotten." This particular seller stated that consumers have been so used to adulterated goods that they do not recognize pure goods when they see them.

**Oil Lavender**—Spike quoted steady at 85c@1.00lb. spot with replacements above these figures. U.S.P., \$4.50@6.00lb.

**Oil Lemon**—Italian firm at 80c@95c lb. spot as to seller and quantity with shipment inside at 80c lb. laid down in New York. Business reported on increase. American, 75c@80c lb.

**Oil Linaloe**—Mexican scarce and firm at \$3.50@3.75 lb. spot as to quantity. Slow demand is only reason of low prices, according to reports.

**Oil Orange**—Italian slightly lower at \$2.85@3.25lb. spot as to seller and quantity. The good seasonal weather does not appear to have reduced spot stocks,

West Indian, \$2.60@2.70lb. Last week saw 60 cases entered at New York. American, \$3.00@3.10lb.

**Oil Patchouli**—Easy at \$4.75@5.00lb. spot.

**Oil Peppermint**—Has advanced sharply at \$4.00@4.15 lb. spot for natural, and \$4.25@4.50lb. for redistilled owing to higher costs from the country.

**Oil Sandalwood**—In keen competition at \$6.20@6.30 lb. spot for East Indian material.

**Oil Sassafras**—Easy at \$1.25@1.35lb. spot.

**Oil Spearmint**—Firm at \$2.75@2.85lb. spot.

**Oil Wormseed**—Spot quiet with possibilities of shading \$4.35@4.50lb.

#### Balsams

**Peru**—In small demand at \$1.80@1.90lb. spot.

**Tolu**—Has firmed up owing to better inquiry and now quoted inside at \$1.75@1.85lb. spot. Reports are heard that London made offers to sell large quantities two weeks ago, but immediately withdrew their offers, and wanted to buy some, thereby reversing their position.

#### Vanilla Beans

**Bourbon**—Spot goods quoted firm at \$11.50@12.00lb.

**Mexican**—Whole in active demand at \$12.00@14.00 lb. spot as to seller and quantity, and cuts at \$11.50@12.00lb.

#### Aromatic Chemicals

**Coumarin**—Makers report an active demand last week at \$3.50@3.75lb. spot as to quantity, and resellers name \$3.35@3.40lb.

**Methyl Salicylate**—Steady with first hands naming 45c@47c lb. spot, and 43c@44c lb. for resale goods.

**Terpineol**—Quiet with holders naming 48c@57c lb. spot as to quantity.

**Vanillin**—Demand active with first hands quoting 49½¢@51¢, and resellers 42½¢@45¢.

The Japanese peppermint crop is reported to be affected by a drought, according to cables received by Dodwell & Co., New York, importers of Far Eastern products, who say: "Early in the week Jan.-March shipment of menthol was quoted at \$7.75 lb. c.i.f. New York, but toward the end of the week \$8.50 lb. was asked. Prompt shipment is strong, Japan having sold July at the equivalent of \$10.25 lb. c.i.f. New York. Spot is quoted at \$11.00 lb., but would undoubtedly advance against any appreciable inquiry."

An American, who was in Ceylon recently, reported to the Commerce Department that he purchased a tube of shaving cream, and the tube was in such a state of decomposition that very slight pressure caused it to burst in several places. The condition was explained as due to the climate.

The charge against M. DeMattia, of M. DeMattia Chemicals, New York, has been dropped. Investigation by the Federal District Attorney showed that he took no part in the scheme to defraud the government out of tax due on sales of alcohol.

W. E. Burns, treasurer of Morana, Inc., New York, manufacturers of perfumers' raw materials, returned Friday, July 11, on the steamship Berengaria from a month's trip through England and France.

Stock and machinery of National Almond Products Co., 129-131 Patchen ave., Brooklyn, damaged by fire on July 5. were insured for \$42,000.

David Berg Industrial Alcohol Co. has filed judgment in New York county against W. H. Long & Co., Inc., for \$1,066.10.

#### NEXT VANILLA CROP MAY BE LARGE

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Vera Cruz, Mexico, July 5.—Rains have helped the vanilla crop. The flowering has been very good. May was dry until about the middle of the month when the rains started and the flowers came out in large quantities. So far there has been abundant moisture, and the beans on the vines are from 7 to 9 inches long, but not filled out. The large size of the beans is due to the plentiful rains.

If present weather conditions continue, prospects for a large crop for the season of 1924-25 will be good. While the crop may not be double this year's crop, it will be very nearly so. A great deal depends on the rains during July and August. After these months the crop will be safe.

The 1923-24 crop is all cured, although not all bundled and ready for shipment. The curers are asking \$10 (American currency) per pound. About 10,000 pounds are available at this price.

#### UNGERER FUND REACHES 17,000 FRANCS

W. G. Ungerer announces the following contributions to the American Fund for the Grasse orphans and widows of the World War which now total nearly 17,000 francs: Ungerer & Co., G. A. Pfeiffer (Richard Hudnut), Mrs. Ida Tetlow, Solon Palmer, B. E. Levy (Coty), Abner Royce Co., Harry J. Ahles (Ungerer & Co.), Manhattan Can Co., L. S. Levy ("American Perfumer"), F. J. M. Wiles (Cheramy), George Betts (Glebeas Importation Co.), George Uhe, Twin City Chemical Co., Amole Soap Co., E. M. Laning, I. S. Zeluff (Parfumerie Rigaud), W. H. Kendall (Parfumerie Rigaud), Jolie, Compagnie Duval, P. Coviello, P. R. Dreyer, Wm. Green, Julian W. Lyon, Chas. Fischbeck (Ungerer & Co.), Joseph Byrne ("Perfumers' Journal"), Chas. Berriman ("Soap Gazette"), H. R. Laist (Ungerer & Co.), "International Confectioner," A. Winarick, R. B. Stoddard (Ungerer & Co.), Wm. E. Swindell, A. P. Babcock Co., Harriet Hubbard Ayer, Odorbase Mfg. Co., Miss M. Hoyt Moore, Mrs. Recuero.

#### COLGATE & CO. TO BUILD IN MEXICO

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Vera Cruz, Mexico, July 1.—Vera Cruz is to have a new soap factory. Colgate & Co., New York, will build a plant here in the near future at a cost of \$1,000,000. The Colgate company has had a large sale in Mexico for its products, especially washing soap.

Representatives of the company who were here recently making an investigation said that the factory would be finished within a year. About 150 men will be employed.

It is safe to say that the company's record of never having had a strike will be broken within a short time at the Vera Cruz branch factory, as this State is full of Bolsheviks. Conditions are as bad as in Russia, and rapidly getting worse.

Essential oils price changes are few, according to "The Chemist & Druggist," London, which says: "Citronella oils fully maintain their firm position, and West Indian lime oil is again slightly firmer. Sicilian orange is easier, and the new crop of Dutch caraway oil is lower for August delivery. Cajuput is a shade easier."

Conrad Raab, son of the head of H. Raab & Co., Roermond, Holland, manufacturers of synthetic aromatic chemicals, is visiting the United States. He will remain in New York about a month, and will make his headquarters with Heine & Co., New York agents for the Holland house.



# **MYSORE'S PRODUCTION OF SANDALWOOD OIL EXPORTED PRINCIPALLY TO JAPAN**

**Oils from Australia and Netherlands, East Indies Used in United States for Blending With Mysore Product—Cost of Oil in New York Compared With Prices in India**

The sandalwood oil industry in India has been of very recent growth and is principally confined to the State of Mysore, which has extensive sandalwood forests within its boundaries, writes Trade Commissioner James E. Miller, of Bangalore. While the neighboring districts of Coimbatore and Coorg are also noted for a fair share of sandalwood production, Mysore has all the advantages incidental to the manufacture of the oil, being supplied with cheap electric power and having sandalwood forests located therein. Up to 1916 the State of Mysore, in common with the Madras government, had been exporting all its sandalwood cut in the area without refining it in the country. The output of sandalwood from these three districts then amounted to 3,000 tons per annum, of which 750 tons were consumed locally and 250 tons in other parts of India. The principal consumer was Germany, which purchased nearly three-fourths of the exports from India, totaling about 2,000 tons. Mysore's share of production amounted to nearly 2,500 tons, leaving Coimbatore and Coorg supplying about 500 tons. During the war when Germany was cut off from the rest of the world, the Mysore government was earning no revenue from sandalwood exports. In 1916, therefore, two factories for manufacturing the oil were started in the state, one at Mysore and the other at Bangalore City, and operation on full scale commenced in 1917. These two establishments are reported to be the largest sandalwood oil producers in the world, with a total annual output of 200,000 pounds of oil. The director of one stated that this output could be increased still further and that the state is now in a position to meet the world's demands for sandalwood oil.

Two other Far Eastern countries manufacturing a similar but a lower grade of oil are Australia and the Netherlands East Indies. The West Australian oil, although not actually classified with Indian sandalwood oil, is exported in large quantities to America where it is used for blending purposes. The Dutch East Indian product, known as "Macassar oil," is equal to the lowest grade of Mysore oil and is also exported in moderate quantities to America and the continent. The Mysore is of a higher grade, chiefly exported to Japan, where it is used for medicinal purposes, the other two oils specified hereinabove being of a lower grade and not suitable for either internal or external use.

The Mysore government started export trade with America in 1919 and until 1922 was doing a fair business, but in 1923 the turnover did not reach the previous year's level, some of the American importers having purchased sandalwood direct, to be refined in America, in preference to Mysore oil. The fall in Mysore exports of oil to the United States was locally attributed to the raising of the import tariff in America from 20 to 25 per cent.

Sandalwood yielding 120 pounds of oil per ton costs 1,400 to 1,500 rupees (1 rupee=\$0.3063 at current exchange) per ton cut. Clearing and freight charges from the state forest to New York are estimated at 150 rupees per ton. The cost to the American distiller, therefore, is about 14 rupees per pound of oil. On the other hand, Mysore factories are selling their oil to wholesale dealers at 23s per pound, c.i.f. New York. Duty at 25 per cent is levied on this, with the result that the wholesale price of oil in New York approaches

\$4 per pound. Sandalwood oil in New York during April was quoted at \$6.90 to \$7.15 per pound. The director of the Bangalore Sandalwood Oil Factory complained that the American consumer is being taxed for the benefit of the small distiller.

## **CASCARA OUTPUT MAY BE 2,000 TONS**

Cascara sagrada is now quoted on the coast at prices ranging from 11c lb. up to 13c lb. in car lots as to seller. The lower figure is doubted by some factors, who say that they have been unable to confirm the quotation. However, those offering at the low figure seem anxious to sell. As was pointed out in the DRUG AND CHEMICAL MARKETS issue of May 28, 1924, the best bearish argument for low prices, is for high values to prevail for a short time, especially just previous to the gathering season. High prices stimulate production, and the more bark gathered, the sharper becomes the competition between holders. The gathering season is practically over now, and from several sources, the total amount of bark produced is said to be around 2,000 tons. Even with the present low price of 11c lb. coast in car lots, some dealers, who are buyers of three to four carloads a year, have not yet covered themselves, and they say they are not anxious to do so, until the bark goes down still further. If holders sell around 11c lb. coast, they are still making a large profit, according to a leading cascara man, who says that the present bark costs between 8 and 9c lb., and with the cheaper labor near the end of the season, the bark ought not to cost more than 7½c lb.

The spot situation is gradually adjusting itself to the cheaper new bark, which was first offered last week on spot at 27c lb., but is now available at 18c lb. A resumption of buying will naturally cause a stiffening in prices on the coast. But on the other hand, if buyers still adhere to their former policy to keep out of the market, the holders on the coast may become panicky and ask for bids on their stocks.

Effective May 12, 1924, all alcohol and alcohol products containing more than 2 per cent of alcohol, imported into Egypt are subject to an import duty of 260 milliemmes (approximately \$1) per liter of pure alcohol over and above the general import duty of 8 per cent ad valorem on the remainder of the product. The duty on wines with an alcohol content not exceeding 23 per cent of its volume, and on beers, ciders, and vermouth remains at 8 per cent ad valorem. No drawback of duty is payable on alcohol or alcohol products on reexportation.

While Cuba offers a good market for the sale of all classes of cosmetics, by far the largest sale of any one article is talcum powder. The larger proportion of talcum powder sold is of American manufacture, although there is a large variety of French made powders displayed. The heavy types of oriental perfumes are the most preferred, with such odors as lilac, rose, and jasmine being well received.

Winthrop Chemical Co., New York, pharmaceuticals, has made complaint against American Pharmaceutical Co., Paterson, N. J., charging that the defendant uses the name "Luminal" illegally. Restraining orders have been filed in the United States District Court, Trenton, N. J. The Winthrop company has held the trade mark "Luminal" for a number of years.

The "Chemist & Druggist," London, has issued a special number containing pictures in photogravure, of the British Empire Exhibition and other features.



## Drug Consuming Industries

### COMMERCIAL SOLVENTS' OUTPUT LARGER

Commercial Solvents Corp. has signed contracts with Eastman Kodak Co., du Pont, the Egyptian Lacquer Co. and two other important customers to take the major part of its output of butanol for the next two years. Signing of these contracts practically assures Commercial Solvents of the continuance of its income at the 1924 rate, and furnishes an established market for nearly all of its output on a cost plus basis, says the "Wall Street Journal."

Another development, which has important possibilities, is the increasing use of a new variety of uncrackable paint and lacquers, made with butanol (butyl alcohol) as a base. This new paint, used principally on automobiles, as being made by du Pont under the trade name of "Duco" and also by the Egyptian Lacquer Co. It is said that the new paint can be rubbed with sand without scratching, and requires only five applications against 18 applications of ordinary automobile body paint.

The March output of butanol was 2,800,000 pounds against 2,300,000 in February and 1,800,000 in January. Production is now at an annual rate of over 30,000,000 pounds.

### GERMAN CHEMISTS ARE HOPEFUL

The annual meeting of the Association of German chemists was held in Rostock-Warnemuende, from June 11-14. Speakers said the German chemical industry had survived the economic consequences of the Peace Treaty, and was devoting time to research work. The present situation was described as menacing on account of prevailing money tightness. German production costs are now very high, as a result of reparation burdens, according to Commercial Attache Donald L. Breed, Berlin.

Lectures were delivered by Geheimrat Thomas, Berlin, on "The Economic Development of Chemistry in China and Japan"; Dr. Heymann, Leverkusen, on "Chemo-Therapy of Compounds free from Metals, against Tropical Sleeping Sickness"; Prof. Gremsa, Hamburg, on "Therapeutical Effect of Antimony, Bismuth and Arsenic Compounds"; Prof. Walden, Rostock, on "Chemistry of the Present and Future"; and Prof. Quincke, Hamburg, chairman of the Association, on "Atmospheric Chemistry".

### FRENCH COMPETE FOR IODINE

Burning of seaweed for iodine ash made great progress during May. May weed is rated as running higher in iodine per cent than in any other month. Prices are stronger at 0.25 krone per kilo (\$1.00 equals 7.32 kronor and kilo equals 2.204 avoirdupois pounds) compared with an average price of 0.18 krone throughout 1923. It is reliably stated that French buyers are prepared to pay more than present market rates for lots of ash over 300 tons, according to Consul F. C. Sigmond, of Stavanger.

Last season practically only British iodine producers bought in that market and at a fixed price. The entry of French buyers has given a decided impetus to production which is expected to exceed previous years. This is especially true of the Jaederen district where the best quality ash is obtained.

Midwest Grain Products Co., manufacturers of alcohol solvents, has completed negotiations for the erection of a \$1,000,000 plant at Chillicothe, Ill.

### LIQUID RESINS GRANTED FREE ENTRY ON PROTEST OF UNGERER & CO., NEW YORK

**Collector's Assessment of 45 Per Cent Duty Overruled by Board of United States General Appraisers—Not Classified With Essential Oils Or Floral Essences**

The protest of Ungerer & Co. against an assessment of 45 per cent ad valorem duty on liquid resins was sustained by the Board of United States General Appraisers, which decided that merchandise invoiced as "Resinarome oak moss" and "Resinarome orris" is entitled to free entry under paragraph 1584, tariff act of 1922, and not subject to duty at 45 per cent ad valorem under paragraph 61.

General Appraiser McClelland, who gave the decision, said:

Free entry is claimed under either paragraph 1571, paragraph 1584, or paragraph 1631, or if the merchandise is not so entitled to free entry, then that it is dutiable at 25 per cent under either paragraph 58 or paragraph 59, or at 10 per cent under either paragraph 1442, 1457, or paragraph 1459, or at 20 per cent under paragraph 1459. The alternative claims made under paragraphs 1442, 1457, and 1459 seem to be wholly without merit and they are therefore overruled. The paragraphs under which claim is made, other than those so overruled, are as follows:

1571. Enflourage greases, floral essences, and floral concretes: Provided, That no article mixed or compounded or containing alcohol shall be exempted from duty under this paragraph.

1584. Gums and resins: Damar, kauri, copal, dragon's blood, kadaya, sandarac, tragacanth, tragasol, and other gums, gum resins, and resins, not specially provided for.

58. Combinations and mixtures of animal, vegetable, or mineral oils or of any of them (except combinations or mixtures containing essential or distilled oils), with or without other substances, and not specially provided for, 25 per centum ad valorem: Provided, That no article containing alcohol shall be classified for duty under this paragraph.

59. Oils, distilled or essential: Lemon and orange, 25 per centum ad valorem; clove, eucalyptus, peppermint, patchouli, sandalwood, and all other essential and distilled oils not specially provided for, 25 per centum ad valorem: Provided, That no article mixed or compounded or containing alcohol shall be classified for duty under this paragraph.

On the trial two witnesses were called to testify. Each was shown to be a chemist of extended experience with the particular class of merchandise involved as well as aromatic chemicals, essential oils, and kindred substances used in the manufacture of perfumery, both from the scientific point of view and from the more practical point of view of the manufacturer and dealer in such substances.

The contention of protestants is that in the existing tariff law resins have been provided for very differently from what such substances were in any previous tariff act, and while not abandoning any of the other claims set out in the protest their faith seems to rest more particularly on paragraph 1584.

It is manifest from the trend of the testimony that the purpose of protestants in presenting it was to show that each of the substances specifically mentioned in the pertinent provision of paragraph 61 under which duty was assessed, viz: "Anethol, citral, geraniol, heliotropin, ionone, rhodinol, safrol, terpineol, vanillin,"

is in itself an aromatic chemical with a definite formula, and that all of these are totally different from the two liquid resins here involved.

Essential oils are also shown to be in a distinct class by themselves, and totally different from these resins. The protest is sustained.

#### BALTIMORE HAS NEW ALCOHOL PLANT

(Special to DRUG & CHEMICAL MARKETS)

Baltimore, July 16.—The Quaker City Industrial Alcohol Co., with headquarters in Philadelphia, will build a plant in Baltimore. The company has a plant in Western Pennsylvania. A part of the Bauernschmidt Brewery, on Hillen st., Baltimore, has been leased, and the work of equipping the building is to start at once. The plant will turn out denatured alcohol, the pure product being shipped from Philadelphia. More than a score of tanks are to be installed.

#### OFFER NEW COCAINE IN LONDON

(Special Cable to DRUG & CHEMICAL MARKETS)

London, July 16.—Pscain, a new synthetic cocaine without secondary effects, has been attracting much attention here. The use of the new drug, which is said to be non-habit-forming, is expected to aid in the elimination of drug addiction. The product is manufactured by Merck of Darmstadt.

State associations of chemistry teachers are urged by the American Chemical Society in order to discuss problems that come before them. A committee has been appointed for each state to supervise the work.

Canadian Carbonated, Ltd., Montreal, announces the purchase from United States Industrial Alcohol Co., New York, of the Backhaus patent for Canada. This patent covers the only known process for purifying carbonic acid gas recovered from the distillation of grain or molasses. With the coke process at present in use, this will enable the company to satisfy the requirements of all their customers. Canadian Carbonated, Ltd., is completing arrangements for installations in Montreal and Calgary, and later on will gradually use the process in their plants throughout Canada.

Albumen amounting to 56 cases was imported recently at Seattle on the steamship President Madison and consigned to Jardine, Matheson & Co., New York; 5 cases consigned to S. L. Jones & Co., Seattle; 56 cases consigned to W. J. Byrnes & Co., Seattle; 50 cases for D. L. Moss & Co.; 51 cases for Innis, Speiden & Co., New York; 30 cases albumen and yoke for Frazar & Co., New York; and 150 cases consigned to Stein, Hall & Co., New York, according to "The Journal of Commerce."

Cod liver oil is being mixed with the foods of cattle in certain sections of Italy where rickets among the children is particularly prevalent, as both a preventive and curative medium. Milk from cows which have been fed the oil is reported almost a specific for this deficiency disease in children.

Several price "conventions" in the German chemical industry have been dissolved during the last few weeks on account of the keen competition in the market and prices have declined. Smaller firms are adversely affected by the low prices which leave a very small margin of profit.

**Quinine**  
and its  
salts

Samples and Prices  
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**The New York  
Quinine &  
Chemical  
Works, Inc.**  
152-154  
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New York

St. Louis Depot:  
18 South Broadway

There can be  
no higher de-  
gree of purity  
than that which  
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**NYQ**

**H. R. Lathrop & Co., Inc.**

110-6 Beekman Street  
NEW YORK

**Buchu Leaves**

Sole Agents U. S. A.

**KITAGUMI JAPAN WAX**

A firm in India quotes the price of ardemisia maritima (a crude drug containing santonin) at 4s. 6d. per pound, c.i.f. American port, and claims that it is in a position to supply any quantity containing 1.5 to 2 per cent santonin. The name of the firm can be obtained by properly qualified concerns upon application to the Chemical Division, Bureau of Foreign and Domestic Commerce, Washington, D. C. Refer to chemical trade note No. 19.

W. L. Wadleigh of the Wadleigh Commercial, Ltd., Singapore, shippers of East Indian products, especially gums, and Karl Brehmer, of William Spilhaus & Co., Cape Town, shippers of buchu leaves, are spending some time in New York, making headquarters at the offices of their American agents, Frank B. Ross Co. Mr. Brehmer will return to Cape Town on Aug. 4, but Mr. Wadleigh will remain in New York until Fall.

The proceedings of the 30th annual meeting of the American Manufacturers of Toilet Articles, held at Hotel Biltmore, New York, April 22-24, are now in printed form. The booklet contains discussion of trade practices, banquet and entertainment features, and a roster of membership of the association.

Spain will make concessions in export duties on olive oil at an early date owing to excessive production. These duties have been subject to revision downward since last Fall, when supplies were said to have begun to increase beyond normal.

Cooper & Cooper, New York, chemicals, drugs, and allied products, have been appointed sales agents for Brooklyn Alcohol Corp., Brooklyn, N. Y., and Delta Chemical & Iron Co., Wells, Mich.

# PRICES OF FRENCH PHARMACEUTICALS


(Special Correspondence to DRUG & CHEMICAL MARKETS)

Paris, France, July 3.—The following are the wholesale quotations for pharmaceutical and drug products today:

	Francs Per kilo
Calomel .....	34.50
Chloroform .....	22
Cocaine .....	1990
Permanganate of potash .....	10
Phenacetine .....	48
Novocaine .....	450
Egg albumen .....	48
Cocoa butter .....	10.50
Mexican sarsaparilla .....	9.50
Rhubarb (round) .....	15.00
Rhubarb (flat) .....	21.50

Frank B. Ross Co., and Francis A. Cundill, both importers of drug products, at 63 Wall st., New York, in the heart of the financial district, had the safes in their offices blown by burglars on Sunday, June 29. The matter has been kept quiet by the police. The former watchman of the building disappeared after the robbery. Ross and Cundill were two of a number of offices in the same building which were entered. The robbers left empty handed after ruining a number of safes.

Total catch of cod for the whole of Norway up to June 24 has been 68,900,000, compared with 51,600,000 for a like period in 1923, and the amount of steam refined oil has been 113,100 hl., against 85,073 hl. for 1923.



# QUININE

## Sulphate — Bisulphate

Manufactured by


### Hoshi Pharmaceutical Co.

Exclusive Distributors for North & South America

## VIETOR & HOSKEN

160 Pearl St., New York

Hanover 3224-3225      Cables: Hoskwil





# Prices Current of Fine and Heavy Chemicals, Drugs, Essential Oils, Dyestuffs and Oils

**CLASSIFICATION**—Prices quoted herein are listed in the following groups: **Chemicals**, including heavy and technical chemicals, fine and medicinal chemicals, aromatic chemicals and isolates, crudes and intermediates from coal-tar, various fine alkaloids and miscellaneous products; **Crude Drugs, Essential Oils**, including oleoresins; **Fatty Oils**, including Animal, Vegetable and Fish Oils, Greases, Fats, and Tallow; **Tanning and Dye Extracts**, including miscellaneous natural tanning woods, extracts, etc. All groups are arranged in straight alphabetical order.

**Packages**—Prices are for large quantities in original packages of the customary trading units of weight or measure. A container given in connection with a price does not necessarily mean that this is the quantity on which the price is based. Containers named are the original packages most commonly sold in this market.

**QUOTATIONS**—Chemical prices quoted herein are those of American manufacturers unless otherwise specified. Quotations on imported chemicals are so designated. Where resale or "second hand" stocks of any chemical products are sufficient to be considered a factor in determining the market, prices for goods in this class will be quoted in addition to makers' prices available, and indicated as such. Chemical prices quoted herein are for goods spot New York or Metropolitan

District, f. o. b. or ex-store, for immediate shipment, unless otherwise specified. Numerous domestic made heavy or industrial chemical products are sold principally on a basis of f. o. b. works, and are thus quoted in the list herein, each instance of a "works" price, however, being specified as such.

Fatty Oils prices quoted herein are for goods spot New York unless otherwise noted; f. o. b. mills and Coast prices being designated as such. Crude Drugs and Essential Oils are quoted f. o. b. New York (Manhattan with limitations) for immediate shipment. Tanning and Dye Extracts are quoted spot New York unless otherwise noted.

**WEIGHTS AND MEASURES**—All quotations are made on a basis of avoirdupois pounds and ounces, and American gallons. The following equivalents are given for the reference of exporters, importers, and foreign buyers:

1 Imperial Gallon (British)	—1.20	American Gallons
1 American Gallon	— .833	Imperial Gallon
1 American Gallon	—3.79	Liters
1 Liter	— .264	American Gallon
1 American Gallon (Water)	—8.35	Pounds
1 Pound (Avoirdupois)	— .454	Kilogram
1 Kilogram	—2.20	Pounds

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## Chemicals

ACETANILID, tech. 150 lb bbls.	.27	.28
100 lb kgs.	.25	.30
USP 200 lb bbls.	.30	.32
Second Hands	.29 1/2	.30
Acetic Anhydride		
85-89%, 107 lb cys.		.40
90-95%, 100 lb cys.		.43
100 lb cys.		.40
Acetone, CP 700 lb drs. e/l wks.	.15	.16
700 lb drs. e/l wks.	.15 1/2	.16 1/2
350 lb drs. e/l wks.	.16	.17
Second Hands, spot	.16 1/2	.17
Acetone, 100 gal drums.		.35
Acetone Oils, light, drs. wks.	1.40	1.45
Heavy, drs. wks.	1.40	1.45
Acetophenidin, 150 lb bbls.	1.85	1.90
Acetyl Chloride, 100 lb cys.	.40	.41
ACID, 1, 2, 4, 250 lb bbls.		1.30
Acetic, 28%, 400 lb bbls. e/l wks.		3.13
28%, e/l wks.		3.17
56%, e/l wks.		5.85
56%, e/l wks.		6.10
70%, bbls. e/l wks.		7.20
70%, e/l wks.		7.45
80% coml. bbls. e/l wks.		8.19
80% coml. e/l wks.		8.44
80% pure bbls. e/l wks.		9.98
80% pure e/l wks.		10.33
Glacial, bbls. e/l wks.		11.01
Glacial, e/l wks.		11.36
Glacial USP cys. wks.		11.76
Acetylacetic, 220 lb bbls.	.75	.85
Second Hands	.70	.71
Aluminate, tech. drs.		.94
+100%, 100 lb drs.		1.00
Benzate, tech. 100 lb bbls.		.75
Tech. ton lots bbls.		.70
USP, 100 lb bbls.	.75	.85
Second Hands	.73	.75
Boric, cys. powd. 250 lb bbls.		.09 1/2
Kaps, 100 lb	.10	.10 1/2
Brown's 250 lb bbls.		1.35
Butyric, 60% pure 5 lb bot.	.40	.50
C.P. 10 lb bot.	1.25	1.50
Carbolic, USP, VIII 1 lb bot.	5.90	6.00
Carbolic, USP cys. see also Phenol		
112 lb tins	.26	.28
25 lb tins	.28	.30
5 lb tins or bot.	.30	.33
1 lb bot.	.35	.37

Acid Carbolle—(continued)		
Liquid USP, 1 lb bot.	.36	.37
Crude, 25% 50 gal bbls.	.33	.35
10%, 50 gal bbls.	.27	.30
Carbonic see Carbon Dioxide		
Chloracetic		
mono 100 lb bbls. wks.		.25
DI, 150 lb cys. wks.		1.00
Tri, 425 lb bbls. wks.		2.50
Chlorosulfonic, 1500 lb drs.		
wks.	.15	.16
Chromic, USP 200 lb drums		.55
85% Pure, 200 lb drums		.55
Chromotropic, 800 lb bbls.		1.38
Chrysophanic, see Chrysarobin		
Cinnamic, 5 lb cans		3.93
CITRIC, USP, 230 lb bbls.		.46
Ford, USP, 200 lb bbls.		.47
Imported, cys. 112 lb kgs.		.47
Single kgs.		.47 1/2
Citrus, 250 lb bbls.	1.00	1.10
Cresylic, 95% dark dr. NY.	.63	.65
97-99% pale, dr. NY.	.65	.75
Crude, spot, drums	.55	.60
Diethylbarbituric, Dom., 25 lb lots, 1 lb bot.	10.00	12.00
Imp. 10 lb lots	3.50	3.75
Formic 85% tech. 140 lb cys.	.13 1/2	.13
90%, 80 lb cys. lots	.13	.13 1/2
Gallie, USP, 150 lb bbls.		.70
Gamma, 225 lb bbls. wks.		1.50
Glycerophosphoric, 25% 1 lb b.	1.85	1.95
H 225 lb bbls. wks.	.72	.75
Hydroiodic, 10% USP 5 lb bot.		.75
Hydrobromic, 48% coml. 155 lb cys. wks.	.35	.40
48% coml. 10 cys. wks.		.40
40% USP 155 lb cys. wks.		.45
10% USP 100 lb cys. wks.	.11	.13
Hydrochloric, see also Acid Muriatic		
CP, USP, 110 lb cys.	.08	.11
HYDROFLUORIC, 30% 400 lb bbls.		
wks.		.07
30% bbls. e/l wks.		.06
30% 100 lb cys. wks.		.07
48% single 100 lb cys. wks.		.11
48% 10 cys. wks.		.10
52% 100 lb cys. wks.		.14
52% 10 cys. wks.		.11

Acid, hydrofluoric—(continued)		
60% 100 lb cys. wks.		.14
60% 300 lb dr. wks.		.13
White Acid, 100 lb cys. wks.		.26
White Acid, 10 cys. wks.		.25
Hydrofluosilicic, 35% 450 lb bbls. wks.		.12
Hypophosphorous, USP 30% 5 gal demis.		.85
USP, 10% 5 gal demis.		.30
LACTIC, 22% dark 500 lb bbls.	.05	.05 1/2
22% light bbls.	.06	.06 1/2
44% dark, bbls.	.10 1/2	.11
44% light, bbls.	.12 1/2	.13
66% bbls. dark, bbls.	.16 1/2	.17
66% light, bbls.	.20	.21 1/2
USP IX 100 lb cys.		.75
USP VIII 100 lb cys.		.70
Laurent's, 250 lb bbls.		.91
Metanille, 250 lb bbls.	.60	.65
Mixed, sulfuric-nitric		
Drums, wks.	.07 1/2	.08
Drums, wks.	.01	.01 1/2
Tank cars, wks.	.06 1/2	.07
Tank cars, wks.	.009	.01
Molybdic, 85% pure 100 lb kgs.	1.35	1.60
100% C.P. 100 lb kgs.	2.00	2.10
Monosulfonic F, Delta, 50 lb tins		2.30
MURIATIC, 20° cys. e/l wks.	1.35	1.75
Cys. e/l wks.	1.00	1.25
Tank cars, wks.	1.00	1.10
13°, 120 lb cys.		
e/l wks.	1.00	1.10
Tank cars, wks.		
22°, 120 lb cys.		
e/l wks.	1.75	2.00
Iron, free 20° cys.		
e/l wks.		
Tank cars, wks.		
Muriatic, CP & USP, see Acid Hydrochloric		
Naphthalenic, tech. 250 lb bbls.		.62
Refined, single bbls.		.65
Neville & Winter's, 250 lb bbls.	1.05	1.10

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## Chemicals

<b>ACID, NITRIC, 36° 135B</b>			
lc/l chys. wks.....100B	4.75	5.25	
Chys. c/l wks.....100B	4.50	4.75	
38° lc/l chys. wks.....100B	5.25	5.75	
Chys., c/l wks.....100B	5.00	5.25	
40° lc/l chys. wks.....100B	5.75	6.00	
Chys., c/l wks.....100B	5.50	5.75	
42° lc/l chys. wks.....100B	6.25	6.75	
Chys., c/l wks.....100B	6.00	6.25	
C. F. chys. single wks.....100B	.13	.16	
Oxalic, 325B bbls., wks.....B	.09½	.10	
Bbls., NY.....B	.10	.11	
Keps, 100B NY.....B	.10½	.11½	
Imp., 500B cans.....B	.09½	.10	
Phosphoric, 50% tech. 100B			
chys.....B	.08	.09	
USP, Syrupy 85°, 70B.....B			
demis.....B	.16	.17	
Imported.....B			
Phthalic, see Phthalic Anhydride			
Picramic, 300B bbls.....B		.65	
Pieric, 450B bbls.....B		.50	
Bbls. car lots wks.....B	.20	.25	
Pyrogallic, crys. 5B cans.....B	1.25	1.30	
Resublimed, 5B cans.....B	1.55	1.65	
Tech. powd., 200B bbls.....B		.85	
Salicylic, tech., 125B bbls.....B	.32	.53	
USP, 100B bbls.....B		.35	
Second Hands.....B	.33	.34	
Sulfanilic, 250B bbls.....B	.16	.20	
<b>SULFURIC, 66° 180B chys.</b>			
lc/l wks.....100B	1.35	1.75	
Chys., c/l wks.....100B		1.35	
1500B Drums, lc/l			
wks.....100B		1.25	
Drums, c/l wks.....100B		1.10	
Tank cars, wks.....net ton	14.00	15.00	
60° 1500B Drums			
lc/l wks.....100B	.75	1.00	
Drums, c/l wks.....100B	.65	.75	
Tank cars, wks.....net ton	9.00	10.00	
P 175B chys.....100B	.08	.09	

<b>ACID, Sulfuric</b>			
lc/l wks.....100B	1.50	1.75	
Drums, c/l wks.....100B	1.25	1.50	
Tank cars, wks.....net ton	17.00	18.00	
Contract cars, wks.....ton			
Oleum, 40% drs lc/l wks.net ton			40.00
Oleum, 60% drs., lc/l wks.net ton			60.00
Sulfurous, USP 6% 100B chys.B	.05	.06	
4% 100B chys.....B	.04	.05	
USP, 5 gal. demis.....B	.06	.08	
Tannic, tech. 300B bbls.....B		.35	
USP, powd 200B bbls.....B	.75	.80	
USP, fluff, 50B bbls.....B	.75	.80	
Tartaric USP crys 300B bbls.B		.30	
USP, powd, 300B bbls.....B		.30	
Imp. USP, 240B bbls.....B	.27	.27½	
Powd. 240B bbls.....B	.27½	.28	
Tobias, 250B bbls.....B	.90	.95	
Tungstic, 100B keps.....B		1.00	
Valeric, C.F., 10B bot.....B	2.50	2.75	
Acetiline Alk. crys 1 oz. vis. oz		30.00	
Amorphous, 1 oz. vis.....oz		20.00	
Adeps Lanae, hydrous 350B bbls.B	.20	.25	
Arhydrous, 350B bbls.....B	.23	.35	
Albumen Egg, edible.....B		1.20	
Blood.....B	.40	.45	
Vegetable.....B	.60	.70	
Technical, see Dyers Sundries			
<b>ALCOHOL, USP 190 pt. 50 gal.</b>			
bbls.....gal	4.83	4.91	
Second Hands, bbls, USP 190			
pt.....gal			
Export, USP, 190 pt.....gal	.45	.83	
Cologne Spirit, 50 gal. bbls.gal	4.90	5.00	
<b>WOOD, see Mithanol</b>			
Alcohols also lc 50 gal.			
drums extra and returnable.			
Amyl, see Oil Fusel			
Butyl, 50 gal. drums, wks.....B		.32	
Tank cars, wks.....B		.30	
Isobutyl, crude 50 gal. drums.gal			
Refined, 10B cans.....B	2.00	2.50	

<b>ALCOHOL—(continued)</b>			
Isopropyl, crude 50 gal. drs.gal			2.25
Refined, 50 gal. drs.....gal	4.00		4.50
Ref'd, 91% drs.....gal			3.50
Methyl, see Alcohol, Wood			
Propyl, unml. crd. 50 gal. drms.gal			4.40
Refined, 10B cans.....B			.75
<b>Denatured</b>			
<b>No. 1 Complete Denat. 188 Proof</b>			
50 gal. bbl. incl.....gal	.53½		.55½
50 gal. drums, extra.....gal	.46½		.48½
<b>No. 1 Special Denat. 190 Proof</b>			
50 gal. bbl. incl.....gal	.52½		.53½
50 gal. drums, extra.....gal	.45½		.47½
<b>No. 5 Complete Denat. 188 Proof</b>			
50 gal. bbls. incl.....gal	.51½		.53½
50 gal. drums, extra.....gal	.44½		.46½
<b>No. 6 Complete Denat. 188 Proof</b>			
50 gal. bbls. incl.....gal	.50½		.52½
50 gal. drums, extra.....gal	.43½		.45½
In addition to the regular authorized formulae for completely denatured alcohol, some 75 formulae for specially denatured alcohol are authorized for special uses. Owing to the limitations of their use however, prices are quoted by the alcohol producers only to holders of permits allowing the use of specially denatured formulae in products authorized by the Dept. of Internal Revenue.			
Aloin, USP, 100B cases.....B	.82½		.85
Alpha-Naphthol, crude 300B bbls.B			.65
Refined.....B			.80
Alpha-Naphthylamine, 350B bbls.B	.35		.37
Ten lots. bbls. wks.....B			.35

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Hydrochloric Acid	Aqua Ammonia	Sodium Silicate
Mixed Acids	Hydrofluoric Acid	Sodium Phosphate

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## Chemicals

<b>ALUM.</b> Ammonia, lump 400 lb bbls.			<b>AMMONIA</b> anhyd. 100 lb cyl.... D			<b>AMMONIUM</b> —(Continued)		
Wks. .... 100 lb	3.50	3.65	Water, 26° 800 lb dra. wks.. D	...	.30	Persulfate, 112 lb cases..... D	.35	.40
Imp., 500 lb casks..... 100 lb	...	...	Drs. c/l wks..... D	...	.08%	Phosphate, dibasic 200 lb bbls. D	...	.38
Ground, 400 lb bbls. wks. 100 lb	3.65	3.75	C.P., clys. .... D	...	.14	Tech., powd. 325 lb bbls.. D	...	.18
Powd. 380 lb bbls. wks. 100 lb	3.90	4.00	Imp., 800 lb drs. incl. spot. D	...	.06%	Phosphate, mono, 325 lb bbls. D	...	.12%
Chrome 500 lb cks. wks. 100 lb	5.50	6.00	26° 100 lb clys. le/l wks.. D	...	.07%	Salicylate, USP 100 lb kegs.. D	.70	.75
Potash, lump 400 lb bbls.	...	...	Clys., c/l wks..... D	...	.07%	Sulfate, bulk c/l wks..... 100 lb	2.50	2.60
Wks. .... 100 lb	...	4.50	20°, 800 lb dra. le/l wks.. D	...	.07%	200 lb single bgs. c/l wks. 100 lb	2.80	2.65
Bbls. c/l wks..... 100 lb	...	4.25	Clys., le/l wks..... D	...	.06%	200 lb double bgs., f.a.s. 100 lb	2.60	2.65
Cont. bbls. c/l wks.. 100 lb	...	4.25	18°, 800 lb dra. le/l wks.. D	...	.04%	Sulfocyanide, tech. 100 lb kegs. D	.50	.60
Imp. 650 lb cases s.p.. 100 lb	...	3.00	Clys., le/l wks..... D	...	.05%	CP, 25 lb jars..... D	.60	.70
Ground, 400 lb bbls. wks. 100 lb	4.35	4.60	16°, 800 lb dra. le/l wks.. D	...	.04%	Amyl Acetate, tech. 50 gal. dra. gal	2.80	3.00
Imp 650 lb casks..... 100 lb	...	3.00	Clys., le/l wks..... D	...	.05%	Refined. 50 gal. drums..... gal	3.25	4.00
Powd., 380 lb bbls. wks. 100 lb	4.50	4.75	Ammonium Acetate, 100 lb kegs. D	...	.37	Alcohol, see Fuel oil	...	...
Chrome, 700 lb cks wks. 100 lb	5.50	6.00	Benzonate, USP, 1 lb bot.... D	.90	.95	<b>ANILINE OIL</b> , 900 lb drs..... D	.16	.17
Soda grd. 400 lb bbls. wks. 100 lb	...	4.00	Bifluoride, 300 lb bbls..... D	.22	.23	Aniline Salt 200 lb bbls..... D	.22	.23
Bbls. c/l wks..... 100 lb	...	3.50	100 lb kegs..... D	.28	.24	Anthracene, 80-85%, 600 lb casks	...	...
Aluminum, metal, c/l NY... 100 lb	26.50	27.00	Bromide, 50 lb boxes..... D	.44	.45	Wks. .... D	.80	.85
Chloride, anhyd. 275 lb drs.. D	.20	.22	Imported, 112 lb boxes..... D	.29	.31	28-30%, Imp. .... D	.02	.02%
Crystals, 375 lb bbls..... D	...	.06%	Carb., tech. 560 lb casks..... D	...	.08%	Anthraquinone, subl. 125 lb bbls.. D	1.00	1.15
30% sol. 120 lb clys..... D	.03%	.04	Powd., tech. 385 lb bbls.. D	...	.09	Antimony metal, slabs ton lots 100 lb	8.25	8.50
Hydrate 98% light 90 lb bbls. D	.17	.18	URF, lump, 100 lb kegs..... D	.12	.13	Needle Powd., 100 lb cases... D	.07%	.08%
Heavy 62-64%, 220 lb bgs D	.06	.06%	Powd., 100 lb kegs..... D	.13	.14	<b>ANTIMONY CHLORIDE</b> , anhyd 1000 lb	...	...
400 lb bbls, wks..... D	.06%	.07	Chloride, Domestic	...	...	Drs. .... D	...	.35
<b>SULFATE</b> , Iron-free bgs c/l	...	...	White, 250 lb bbls, c/l .... D	...	.07%	50 lb crocks..... D	.45	.48
Wks. .... 100 lb	2.25	2.40	250 lb bbls., le/l wks..... D	...	.08	Crystals..... D	.08	.06%
Imported, spot..... 100 lb	2.30	2.35	Gray 250 lb lbs, wks..... D	.08	.08%	Sol'n, 130 lb carboys 32°.. D	...	.03%
Comm'l., ¼% iron, bgs. c/l	...	...	Bbls., c/l wks..... D	...	.07%	Oxide, 500 lb bbls..... D	.08	.08%
Wks. .... East 100 lb	...	1.35	Imp. wh. 250 lb casks spot. D	.06%	.06%	Salt, dom. 500 lb bbls..... D	.24	.25
Cont. bgs. c/l wks. E. 100 lb	1.30	1.35	Gray 250 lb bbls. wks..... D	.08%	.08%	Imp., NY..... D	.13	.19
Bags, c/l wks. W... 100 lb	...	1.30	Lump, 500 lb casks spot.... D	.12	.13	Sulfuret, golden 500 lb bbls... D	...	.21
Bbls., c/l wks. East. 100 lb	...	1.50	Ichthyolate, as to brand.... D	4.85	5.00	336 lb kegs..... D	...	.19
Bulk, c/l cont. wks. E. 100 lb	...	...	Iodide, USP, 25 lb jars..... D	...	5.20	Crimson, 500 lb bbls..... D	...	.38
<b>Amidol</b> , (see Diaminophenol)	...	...	Lactate, 500 lb bbls..... D	.15	.16	336 lb kegs..... D	...	.38
Amidopyrine, Imp. 10 lb boxes.. D	4.35	4.50	Nitrate, tech. crys. 225 lb bbls. D	...	...	Red, 500 lb bbls..... D	...	.45
Domestic, 10 lb boxes..... D	...	4.60	Refined Crystals, bbls..... D	.21	.23	336 lb kegs..... D	...	.42
Aminozobenzene, 110 lb* kegs... D	...	1.15	CP gran. 100 lb kegs..... D	.35	.37	Tartro lactate, 560 lb bbls... D	...	.45
			Oxalate, pure, 100 lb kegs... D	.40	.42	Antipyrine, USP, 100 lb cases... D	2.10	2.20
						Apomorphine Hydrochloride, ¼ oz. vials. os	...	21.15
						Areccline Hybromide, 1 oz. vial.. os	6.25	7.82
						Argols, red powd. 350 lb bbls.. D	.06	.07

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Arsenic, metal, 220 lb kegs....D	...	.45	Benzidine Base, dry 250 lb bbls..D	...	.80	BISMUTH—(Continued)		
Red, 224 lb kegs cases....D	.15	.15%	Benzidine Sulfate, paste 350 lb bbls.....D	.70	.72	Sublimate, 5 lb lots.....D	...	4.65
White, 550 lb bbls., NY....D	.08	.08%				Subnitrate, USP, 250 lb bbls..D	...	2.50
Asbestosine.....ton	18.00	18.00	Benzol, see Benzene			Second Hands, bbls. or less..D	...	2.90
Aspirin, see Acid Acetylsalicylic			Benzonaphthol, 5 lb boxes.....D	3.50	3.60	Cones, 1 lb bot.....D	...	4.09
Atropine, Alk. USP, 1 oz. vial...oz	5.00	5.57	Benzoyl Chloride, 500 lb drs....D	...	1.00	Subsulfate, USP, 175 bbls..D	...	3.10
Sulfate, 5 oz. cans.....oz	...	2.75	Benzyl Acetate, 100 lb chys....D	1.55	1.75	Tannate, 1 lb bot.....D	...	2.60
Single ounce.....oz	...	2.92	Alcohol, 5 lb bot.....D	1.45	1.55	above on basis 25 lb lots.		
BARIUM BINGXIDE, see Barium dioxide			Benzoate, 5 lb bot.....D	1.60	1.75	Smaller lots at an advance.		
Carbonate, precip., 800 lb bbls.			Medicinal FFC.....D	1.75	2.00	Blanc Fixe, dry 400 lb bbls. wk. ton	75.00	80.00
wks.....ton	64.00	66.00	Chloride, 95% tech. 925 lb drs..D	...	.25	Imported, tbls.....ton	70.00	72.00
Precip., 200 lb bbls., wks.....ton	64.00	66.00	100 lb chys.....D	.25	.30	Paste, 650 lb bbls.....ton	50.00	55.00
Imports, bbls., spot.....ton	60.00	61.00	Red'still. 160 lb chys.....D	.40	.45	BLEACHING POWDER, 700 lb drs.		
Chloride, 800 lb bbls., wks.....ton	90.00	95.00	Formate, 1 lb bot.....D	3.00	3.25	c/l wks.....100 lb	...	1.90
200 lb bbls., wks.....ton	90.00	92.50	Barberine Hydrochloride, 1 lb bot...D	...	22.50	Drums 1c/l ex-warehouse...100 lb	2.35	2.60
Imports, bbls., spot.....ton	79.00	81.00	Sulfate, acid or neut. 1 lb bot..D	...	22.00	Contract, c/l wks.....100 lb	1.90	2.15
Dioxide, 85% 690 lb drs....D	.17	.18	BETA-NAPHTHOL, 350 lb bbls., wks..D	...	.26	Drums, 1c/l wks.....100 lb	2.05	2.30
Imports, 88-88% 400 lb drs..D	...	.15	Carlots, wks.....D	...	.24	Imported, spot.....100 lb	...	...
Hydrate, 500 lb bbls.....D	...	.05	Sublimed.....D	.55	.60	Blue Ointment, see Mercury		
Iodide, 5 lb box.....D	...	5.15	Beta-Naphthylamine, tech. 200 lb bbls.....D	.65	.67	Mam, see Mercury		
Nitrate, 700 lb casks.....D	...	.10	Sublimed, 200 lb bbls.....D	...	1.35	Bone Ash, 100 lb kegs.....D	.06	.07
Imports casks.....D	...	.08%	Bichloride Mercury, see Mercury Bichloride			Black, 200 lb bbls.....D	...	.06
Sulfocyanide 400 lb bbls.....D	...	.35	BISMUTH metal, 150 lb cases...D	2.50	2.65	Borax, USP, crys. 400 lb bbls..D	.05	.05%
Barytes, floated 350 lb bbls wk. ton	23.00	26.00	Second Hands.....D	2.50	2.60	Powdered, USP, 300 lb bbls...D	.05	.05%
Imports.....ton	29.00	33.00	Ammon. Citrate, USP 5 lb bxs....D	...	5.85	Kegs, USP, 100-150 lb.....D	.05%	.05%
Bay Rum, Porto Rican, genuine			Betanaphtholate, 5 lb bxs.....D	...	3.30	Bordeaux Mixture, 10% pd. lbs..D	.11%	.18
Medicated salicyl. acid or tartar emetic			Citrate, USP 5 lb bxs.....D	...	3.00	Paste, bbls.....D	.08	.10
45 gal. bbls.....gal	1.20	1.25	Nitrate, 25 lb jars.....D	...	2.00	Boracal. 1 lb bot.....D	...	3.50
Medicated quinine sulf. 45 gal.			Oxychloride, 250 bbls.....D	...	3.50	Bromide, see potass. bromide, etc.		
bbls.....gal	1.20	1.25	Phenolsulfonate, 5 lb cans....D	...	3.80	Bromine, bot in 60 lb ca. wks..D	...	.39
Domestic synthetic, 50 gal.			Salicylate, 250 bbls.....D	...	1.95	Bromobenzene, 600 lb drums....D	.40	.42
bbls.....gal	.60	1.00	Subcarbonate, USP, 250 bbls..D	...	3.40	Bromoform, USP 5 lb bot 50 lb ca..D	...	1.65
St. Thomas			X-Ray diag. 1 lb bot.....D	...	3.93	Brucine Sulfate, 100 ozs.....oz	.15	.25
Medicated salicyl. acid or tartar emetic, 50 gal. bbls..gal	1.20	1.25	Subgallate, USP, 175 lb bbls..D	...	2.80	Butter of Antimony, see Antimony Chloride		
Benzaldehyde, tech. 945 lb drs.						CADMIUM, metal 100 lb bxs....D	.95	1.00
wks.....D	.75	.80				Bromide, 50 lb cases jars.....D	...	1.20
USP, 40 lb chys.....D	1.50	1.60				Iodide, 10 lb bot.....D	...	4.45
FFC, 40 lb chys.....D	1.60	1.75				Sulfide, ca.....D	1.50	1.60
BENZENE, 90% 8000 gal. tanks								
wks.....gal	...	.23						
110 gal. drs. wks.....gal	...	.28						
Pure, Tanks, wks.....gal	.24	.25						
110 gal. drs. wks.....gal	...	.30						

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## Chemicals

CAFFEINE ALK, USP 5 lb cans..D	3.50	: 3.75	CAMPBELL, Amer. ref: 250 lb			Chalk, drop 175 lb bbls.....D		: .03%
Second Hands.....D	3.40	: 3.50	bbls.....D	..	: .88	Precip. light 250 lb cans.....D		: .04%
Hydrochloride, 1 lb bot.....D	6.05	: 6.55	2 1/2 lb slabs, 100 lb cs.....D	..	: .89%	Precip. heavy 500 lb cans.....D		: .03%
Sulfate, 1 lb bot.....D	5.40	: 5.90	1 lb cakes, 100 lb cs.....D	..	: .80%	Bulk.....ton	5.00	: 8.00
Citrate, 25 lb cans.....D	2.90	: 3.10	on tab., 1 lb ctms.....D	..	: .93%	Precip. English, 7 lb bags.....D		: .07%
Hydrobromide, 1 lb bot.....D	4.65	: 4.90	100 lb cs.....D	..	: .94	Charcoal, Bone, see bone black		
CALCIUM Acetate, 150 lb bgs, c/l			1/2 oz. tab., 1 lb ctms.....D	..	: .71	Wood, powd. 100 lb bbls.....D	.04	: .05
100 lb.....D	...	: 3.00	100 lb cs.....D	..	: .73	Willow, powd. 100 lb bbls.....D	.06	: .07
Arsenate, 100 lb bbls. c/l wks. D	.10	: .14	Jap. ref., 2 1/2 lb slabs. 100 lb	..	: .92	China Clay, Dom., crude.....ton	6.00	: 8.00
Bromide, 100 lb cs.....D	...	: .50	cs.....D	..	: .93	Washed & Ground.....ton	10.00	: 20.00
Carbide, 220 lb dr. c/l wks..D	...	: .04%	1 oz. tab., 100 lb cs. 1 lb	..	: .98	Imp., Filler Clay.....ton	18.00	: 20.00
Drums, 1c/l wks.....D	...	: .05	1/2 oz. tab., 100 lb cs., 1 lb	..	: .98	Coasting.....ton	20.00	: 40.00
Carbonate, tech. 100 lb bags			time.....D	..	: .98	Chloral Hydrate, USP 100 lb drs. D	.75	: .80
c/l.....100 lb	1.00	: 1.10	Chinese ref. 2 1/2 lb slabs 100 lb	..	: .98	25 lb jars.....D	.83	: .85
USP, precip. 175 lb bbls.....D	...	: .04	cs.....D	..	: .98	Chinoidin, 140 lb drs.....D	...	: .55
Chloride, solid. 650 lb drs. c/l			Crude, 100 lb cs.....D	..	: .58	Chloramine-T, 5 lb bot.....D	1.25	: 2.50
Imp. shlyment.....ton	...	: 23.00	Campbor, Monobrom., 100 lb cr..D	1.75	: 1.85	Chloroform, 5 lb bot.....D	.58	: .78
Gran., 350 lb drs. c/l f.e.b.			Caramel, 50 gal. bbls.....gal	.60	: .70	Chlorhydric, Ethylene anhyd. 600 lb		
NY.....ton	...	: 30.50	Carbonatol, 250 lb bbls.....D	...	: .50	dra.....D	.75	: .85
Flake 180 lb drs. c/l f.e.b.			Carbon Bisulfide, 500 lb drs. 1c/l NY D	...	: .06%	40% soln. 100 lb clys.....D	.35	: .30
NY.....ton	...	: 30.50	c/l drums, NY.....D	...	: .06	CHLORINE, Liquid 3000 lb cyl.		
Anhyd., 350 lb drs. f.e.b. NY. D	.13	: .20	Carbon Black, 12 1/2 lb bags.....D	.12	: .15	c/l wks.....D	...	: .04%
Glycerophosphate, 250 lb bbls..D	1.50	: 1.60	Carbon Dioxide, Liquid, 20-25 cyl. D	...	: .06	Tank car lots, wks. Contract..D	...	: .04%
Hydrate, (see Lime)			Carbon Tetrachloride, 1400 lb drs.	...	: .07%	100 lb cyl. c/l.....D	...	: .05%
Hypophosphate, USP, 25 lb cans. D	.60	: .85	NY.....D	.07%	: .08	100 lb cyl. 1c/l wks.....D	.06%	: .07%
Iodide, 5 lb bot.....D	...	: 4.40	Drums, c/l NY.....D	.07	: .07%	100 lb cyl. 1c/l ex-warehouse..D	.08	: .09
Lactate, tech. 500 lb bbls.....D	...	: .13%	700 lb drs. single NY.....D	.07%	: .08	Chlorobenzene, mono. 1000 lb drs.		
U.S.P.....D	.50	: .60	Carmine, No. 40 5 lb boxes.....D	4.75	: 4.85	wks.....D	.10	: .11
Nitrate, 220 lb bbls. c/l NY. ton	...	: 40.60	Casein, edib., 100 lb keg.....D	...	: .45	Dra. c/l wks.....D	.08	: .08%
Phosphate, tech. 350 lb bbls. D	...	: .10	Technical, 200 lb bbls.....D	.10%	: .11%	Tank car lots wks.....D	...	: .08
Phosphate, precip. tribasic 200			Castoreum, 1 lb boxes.....D	4.00	: 4.50	CHLOROFORM, USP 50 lb drs..D	...	: .35
lb bbls, wks.....D	.11	: .14	Castor Oil, USP 50 gal bbls.....D	...	: .16	Second Hands, 650 lb drs.....D	.33	: .34
Phosphate, mono, 225 lb bbls. D	.07	: .08	Cases, 80 lb 2 tins.....D	...	: .17	Technical, 650 lb drums.....D	.32	: .33
Sulfocarbonate, 100 lb bags.....D	.55	: .57	Teeth. see Fixed Oils			Chlorophyll, Oil Sol.....D	2.50	: 2.75
Calomel, see Mercury			Caustic Potash, see potash, caustic			Water Sol.....D	3.75	: 4.00
			Soda, see soda, caustic			Chromium Acetate, 20% soln. 400 lb		
			Cellulose Acetate, 100 lb cases..D	1.75	: 2.00	bbls.....D	.07	: .08
			Cerium Oxalate, USP 100 lb kegs. D	.35	: .38	Fluoride, Powd. 400 lb bbls.....D	...	: .30
						Soln. 400 lb bbls.....D	...	: .30
						Chrysarobin, USP, 5 lb cans.....D	4.50	: 5.00
						Cinchonidin alk., pwd. 100 oz. tins	...	: .60
						Crystal.....oz	...	: .65
						Sulfate, 100oz. tins.....oz	...	: 40

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## Chemicals

Cinchonine alk., pwd. 100oz. tinsos	...	.38	COPPER metal electrolytic c/l			Diethyl Sulfate tech. 50gal. drs. lb	.30	: .28
Crystal	...	.43	NY	12.37	: 12.50	CP drums	.40	: .50
Sulfate, 100 oz. tins	...	.25	Lake, c/l NY	12.50	: 12.62	Digitalin, Pure, 1 oz. vial	9.75	: 10.25
Citric Acid, see Mercury			Casting, c/l NY	...	: 12.25	Dimethylaniline, 840 lb drs. wks. lb	.35 1/2	: .37
Coal Tar, See Tars			Carbonate, 400 lb bbls	.16 1/2	: .17	Dimethylsulfate, 100 lb drs	...	: .50
Cobalt metal, 100 lb kegs	...	3.00	Chloride, 250 lb bbls	...	: .28	Dinitrobenzene, 400 lb bbls	.16	: .17
Cobalt Oxide, 500 lb bbls	...	2.10	Cyanide, 100 lb drs	.45	: .46	Dinitrochlorobenzene, 400 lb bbls	.18	: .19
10 lb tins, 200 lb cases	...	2.45	Iodide, 5 lb bot	...	: 5.65	Dimethylnaphthalene, 350 lb bbls	.32	: .34
COCAINE alk., USP, 1 oz. vial	...	10.00	Oxide, red 1660 lb bbls, ton lots	.16 1/2	: .17	Dinitrophenol, 350 lb bbls	...	: .40
Hydrochloride, USP—1 oz. vials	...	7.07	Sub-Acetate, verd. 440 lb bbls	.23	: .28	Dinitrotoluene, 300 lb bbls	.18	: .19
25 oz.	...	7.07	SULFATE, crys. 450 lb bbls, 1e/l	4.60	: 4.80	Dionin, see Morphine, Ethyl		
In 1/2 oz. vials	...	7.50	spot	4.40	: 4.50	Diphenylamine, 250 lb bbls	.48	: .50
In crystals, granular, powder,			Carlots, bbls, f.o.b. NY, 100 lb	4.40	: 4.50	Diphenylguanidine, 170 lb bbls	1.10	: 1.15
or flaky crystals as desired.			Carlots, bbls, delivered, 100 lb	4.15	: 4.25	Dover's Powder, USP 5 lb tin	2.20	: 2.30
Cocoa Butter, bulk, 200 lb kegs	.26	: .26 1/2	Imp. 350 lb cask spot, 100 lb	4.15	: 4.25	Dubekine Sulfate, 1 oz. vial	...	: 30.07
Fingers, cakes, etc. 12 lb box	.31	: .33	Powdered, 350 lb 5 bbls	5.60	: 5.75	EARTH, Diatomaceous, see Kieselguhr		
CODEINE, alk., 1 oz. vis. 10 oz.	...	9.27	Copperas, bulk c/l wks	10.60		Emetine alk., 15 gr. vial	17.00	: 17.50
lots	...	9.27	200 lb bgs, c/l wks	18.00		Hydralide, USP 1 oz. vial	17.00	: 17.50
Hydrobromide, 1 oz. vis. 10 oz.	...	7.42	400 lb bbls c/l wks	20.00		15 gr. vials	...	: .75
lots	...	7.42	Powdered, bbls	1.00	: 2.00	EPSOM SALT, tech. 300 lb bbls		
Hydrochloride, 1 oz. vis. 10 oz.	...	8.27	Sugar, 400 lb bbls	1.25	: 1.35	NY	...	: 2.15
lots	...	8.27	Corn Syrup, 42 deg. 50 gal.	...	: 4.06	Bbls, c/l NY	...	: 2.00
Nitrate, 1 oz. vis. 10 oz. lots	...	8.27	43 deg. 50 gal. bbls	...	: 4.11	100 lb bgs, c/l NY	...	: 1.75
Phosphate, 1 oz. vis. 10 oz.	...	6.97	44 deg. 50 gal. bbls	...	: 4.18	Imp., 220 lb bgs, c/l	...	: 1.40
lots	...	6.97	45 deg. 50 gal. bbls	...	: 4.25	NY	...	: 1.40
Salicylate, 1 oz. vis. 10 oz.	...	6.97	Corn Sugar, see Glucose			USP, 300 lb bbls, 10 bbls	2.10	: 2.50
lots	...	6.97	Cotton Soluble, 100 lb bbls, wet	.40	: .42	Carlots, bbls	...	: 2.00
Sulfate, 1 oz. vis. 10 oz. lots	...	7.42	Coumarin, 25 lb tins	3.40	: 3.65	Imported, 400 lb bbls	...	: 2.35
Small Sizes, 1/2 oz. vials, 50 extra,			Second Hands	3.35	: 3.40	100 lb kegs	...	: 6.35
1/4 oz. 30s, extra, single 7c extra			CREAM TARTAR, USP 300 lb	.21 1/2	: .21 1/2	Ergotin, Bonjean, 1 lb jar	...	: 24.07
per oz.—25 oz. lots, 10c oz. cheaper			bbls	.26 1/2	: .29 1/2	Eserine alk., 1 oz. vial	...	: 16.07
than above. Less than 10 ozs. 15c oz.			Imp. powd. USP, 224 bbls	.42	: .45	Sulfate, USP VIII, 1 oz. vial	...	: 11.07
higher than above.			Creosote, USP, 42 lb clys	1.70	: 1.80	ETHER, USP 55 lb drums	...	: .13
COD LIVER OIL, Norwegian, 30 gal.	...	22.00	Carbonate, 1 lb bot. 25 lb	.26	: .30	Anaesthesia, 55 lb drums	...	: .16
bbls	...	22.00	Creosol, USP, 400 lb drums	.22	: .23	USP, 1880 55 lb drums	...	: .40
Newfoundland, 30 gal. bbls	...	...	Cyanamide, bulk c/l wks, Amm. unit	1.90	: 2.00	Washed, 55 lb drums	...	: .32
Colchicine alk USP 1 oz. vial	...	15.07	DIAMINOPHENOL, 160 lb kegs	...	: 3.80	Notor, 1 lb cans	.24	: .37
Salicylate, 1 oz. vial	...	15.07	Dianisidine, 100 lb kegs	4.00	: 4.50	Ether, Nitrous, 1 lb bot	.92	: .95
Colleditor USP 30 lb drums	...	.22	Dichlorobenzene, 1000 lb drs	.06	: .07	Ethyl Benzyl Aniline, 300 lb drs	...	: 1.35
			Diethylaniline, 850 lb drs	.58	: .65			
			Diethyl Phthalate, 25 lb cans	.50	: .55			
			1000 lb drs	.40	: .45			



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## Chemicals

Ethyl Acetate, 99%, 50 gal. drs. gal	1.15	: 1.18	Gelatin, USP silver bl. 100 lb. cs. lb	.78	: .82	Hydrastinine Hydrochloride, USP 15 gr. vials	...	: 1.00
85% Ester, 100 gal. drs. gal	...	: .85	Gold Label, 100 lb. cans.....lb	...	: ...	Hydrobenzene 100 lb. kegs.....lb	...	: ...
Carbox, drums.....gal	...	: .92	Technical, 100 lb. cs.....lb	.60	: .65	HYDROGEN PEROXIDE, 25vol. 400 lb. bbls.	...	: .10
Tanks Cars.....gal	...	: .90	CLAUBER'S SALT, tech. 300 lb. bags	1.15	: 1.25	100 val. 145 lb. chys.....lb	.36	: .38
Refined, drums.....gal	1.77	: 1.90	350 lb. bbls. c/l wks.....100 lb	1.20	: 1.30	USP Soln. 375 lb. bbls.....lb	.05	: .05%
Bromide 115 lb. drs.....lb	...	: .40	Bbls. lc/l wks.....100 lb	1.30	: 1.65	100 val. 145 lb. chys.....lb	...	: .48
Chloride, 15 lb. cyl.....lb	...	: .35	Imported, bbls., spot.....100 lb	.90	: .95	USP tot. 4 oz. cases.....gross	8.00	: 8.25
Methyl Ketone, 50 gal. drums. lb	.25	: .25%	USP, 300 lb. bbls. imp. sp. 100 lb	...	: 1.25	Bot. 8 oz. cases.....gross	11.75	: 12.00
Morphine, see Morphine, Ethyl	...	: ...	USP, 300 lb. bbls. dom. sp. 100 lb	...	: 1.75	Bot. 16 oz. cases.....gross	19.75	: 20.00
Ethylene Bromide, 600 lb. drs.....lb	...	: .60	Calcined, see Sodium Sulfate	...	: ...	Hydroquinone, 100 lb. kegs.....lb	1.40	: 1.60
Glycol.....lb	.65	: 1.00	Glucose, (Grape Sugar) dry, 100 70° bags, c/l NY.....100 lb	4.09	: 4.34	Hydroxine Hydrobrom. USP 1 oz. vial	...	: 9.57
Chlorhydrin, anhyd. 50 gal. drs. lb	.75	: .85	Syrup, Drs. & bbls. c/l NY 100 lb	4.06	: 4.25	Fire ozs., 1 oz. vials.....oz	...	: 9.00
40% Solution, 50 gal. bbls. lb	.25	: .30	lc/l NY.....100 lb	4.16	: 4.35	Hyocyanine Alk. Cryst., 1 oz. vial. oz	...	: 20.07
Dichloride, 50 gal. drs.....lb	.20	: .25	GLUE, pure white, bbls.....lb	.22	: .26	Alkaloid, Amorphous, 1 oz. vial. oz	...	: 75.07
Eucahylenamine.....lb	...	: .70	Medium white, bbls.....lb	.20	: .24	Hydrobromide, USP 1 oz. vial. oz	...	: 25.07
Eucalyptol, 25 lb. cans.....lb	.75	: .80	French. bbls.....lb	.18	: .25	Sulfate, 1 oz. vial.....oz	...	: 20.07
Feldspar, bulk.....ton	20.00	: 25.00	High Grade, bbls.....lb	.35	: .40	INDOL, C. P., 1 oz. bot.....oz	6.00	: 6.50
FERRIC CHLORIDE, tech. crys.	...	: ...	Bone, regular, bbls.....lb	.10	: .12	Iodides, see Potass. Iodide, etc.	...	: ...
475 lb. bbls.....lb	...	: .07	Fish, bbls.....gal	1.50	: 1.75	IODINE, crude, 200 lb. kegs.....lb	...	: 3.79
Imported.....lb	...	: .06%	GLYCERIN, C. P. 550 lb. drums. lb	.17	: .17%	Resublimed, 10 lb. jars.....lb	...	: 4.40
USP, crys. 100 lb. kegs.....lb	...	: .08	Cans, 50 lb. drs.....lb	.18	: .18%	Tincture, USP, 50 gal. bbls. gal	4.00	: 4.25
Imported.....lb	...	: .07%	Dynamite, 100 lb. drs.....lb	.16%	: .16%	Carboys.....lb	4.30	: 4.40
Neut. Sol'n 40° 140 lb. chys. lb	...	: .06	Saponification, tanks.....lb	.11%	: .12	Iodoform, powd. 10 lb. bot.....lb	...	: 5.25
48° 140 chys. lb	...	: .08	Soap, Lye tanks.....lb	.10%	: .11	Crystals, 10 lb. bot.....lb	...	: 6.25
USP Sol'n 125 lb. chys.....lb	...	: .05%	Goa Powder, see chrysarobin	15.00	: 35.00	Iridium, metal 100z lots.....oz	...	: 250.00
Ferrous Chloride, crys. tech.	...	: ...	Graphite, crude 220 lb. bags.....ton	.05	: .09	Iron, metal by hydrogen 1 lb. bot. lb	.80	: 1.00
475 lb. bbls.....lb	...	: .06%	Flake, 500 lb. bbls.....lb	.04	: .05	IRON & AMM. CITRATE, USP 25 lb. cans	...	: .79
Ferrous Sulfate, 1000 lb. bbls. 100 lb	2.50	: 3.00	Ground, lump, bbls.....lb	2.35	: 2.45	Green scales, 25 lb. cans.....lb	...	: .79
Flake White, see lead, white	...	: ...	Benzonate, 1 lb. bot.....lb	...	: 18.00	Cacodylate, 10 lb. bot.....lb	6.50	: 6.75
Fluorapat, 95% 220 lb. bags. ex-	...	: 25.00	Carbonate, 5 lb. boxes.....lb	4.60	: 4.75	Citrate, USP VIII 25 lb. cans.....lb	.99	: 1.01
96% bag.....ton	...	: 33.50	Second Hands.....lb	3.60	: 3.75	Chloride, see ferric or ferrous	...	: ...
98% bag.....ton	...	: 35.00	HAARLEM OIL, Dom. 6 gr. c. gross	...	: 3.50	Hypophosphite, 5 lb. cans.....lb	1.50	: 1.60
FORMALDEHYDE, USP 400 lb. bbls. c/l wks.	.09	: .09%	Imported, 5 gr. cans.....gross	4.00	: 4.25	Syrup, USP VIII.....lb	...	: .30
Carboys, 100 lb. lc/l wks.....lb	.10	: .10%	Halazone, 5 lb. bot.....lb	2.75	: 2.85	Iodide, 1 lb. bot.....lb	...	: 4.25
Bbls., 400 lb. lc/l wks.....lb	.09%	: .10	Hexamethylenetetramine, USP	...	: ...	Syrup, USP, 5 lb. bot.....lb	.35	: .36
Second Hands.....lb	...	: .10	100 lb. drums.....lb	.75	: .77%	Nitrate, kegs.....lb	.09	: .10
Flour Flour.....lb	...	: .04	Imported.....lb	.85	: .87	Com'l. bbls.....100 lb	2.75	: 3.25
Formalin.....lb	...	: .50	Rubber Makers, Impalp. Pd. drs.	.82%	: .85	Oxalate scales 25 lb. cans.....lb	.85	: .88
Fuller's Earth, 200 lb. bags. c/l	...	: 15.00	Homatropine Hydrobrom. USP 1 oz. vial	...	: 14.57	Oxide red, Spanish.....lb	.08%	: .07%
mines.....ton	35.00	: 40.00	Hydrastine Alk., USP, 1 oz. vial. oz	...	: 13.50	& Ammon. Oxalate 25 lb. bbs. lb	.42	: .45
Imported, 230 lb. bags NY.....ton	35.00	: 40.00	Hydrochloride, USP, 1 oz. vial.....oz	...	: 14.57	& Potassium Oxalate, 25 lb. bbs. lb	.45	: .47
Furfural, 300 lb. bbls.....lb	.25	: .30	Sulfate, 1 oz. vial.....oz	...	: 16.07	& Sodium Oxalate, 25 lb. bbs. lb	.41	: .43
Fusel Oil, refined, 50 gal. drs. gal	2.75	: 3.25	...	...	: ...	Phosphate, USP 25 lb. cans.....lb	.70	: .81
Crude, 50 gal. drum.....gal	1.85	: 2.00	...	...	: ...	Pyrophosphate, USP 25 lb. cans	.84	: .86
SALT, peate 350 lb. bbls. basis 100%	.60	: .65	...	...	: ...	...	...	: ...

The  
**Norvell Chemical Corporation**

Acid Benzoic  
Sodium Benzoate  
Benzyl Chloride  
Mercurials  
Formaldehyde  
Silver Salts  
Creosote  
Creosote Carbonate  
Glycerophosphates  
Hexamethylenamine  
Benzaldehyde

New York Office 99 John Street  
Chicago Office, 180 No. Market Street

We Do Not Manufacture

## BUTYL ACETATE

but we do recommend its use in NITROCELLULOSE LACQUERS for the following reasons:

- 1—It is an excellent NITROCELLULOSE solvent
- 2—It helps form clear, tough films
- 3—It gives maximum spread and flow
- 4—It is a uniform product, being made from BUTANOL (pure Normal Butyl Alcohol)

We Do Manufacture

## BUTANOL

and can offer it for immediate shipment in tank cars, drums and cans. The need for BUTANOL in nitrocellulose lacquers and enamels is an established fact. Samples of BUTANOL and quotations, together with technical information as to the uses of this product and its derivatives, furnished on request

## COMMERCIAL SOLVENTS CORP.

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New York, N. Y., Terre Haute,  
17 East 42nd Street Indiana  
10a, Featherstone Bldgs., High Holborn, W. C. 1,  
London, England.

Plants: Terre Haute, Ind. and Peoria, Ill.



# Chemicals

<b>JALAP RESIN</b> , lump 5 lb tins...lb	3.25	: 3.35	<b>Linalool</b> , 5 lb bot.....lb	6.25	: 6.75	<b>Manganese—(continued)</b>		
Powd. tins.....lb	3.40	: 3.50	<b>Litharge</b> , see lead oxide			Glycerophosphate, 5 lb tins...lb	...	: 3.10
<b>Kapoc</b> , 200 lb double bales...lb	.24	: .26	<b>Lithium Carb. USP</b> , 100 lb kgs...lb	1.50	: 1.60	Hypophos. USP VIII 5 lb cans...lb	...	: 1.42
<b>KIESELGUHR</b> , 95 lb bags NY...ton	60.00	: 70.00	Bromide, 100 lb ca.....lb	1.75	: 1.85	Iodide, 1 lb bot.....lb	...	: 6.65
<b>LANOLIN</b> , see Adeps Lanæ			Citrate, USP, 100 lb kgs...lb	1.70	: 1.75	Ore, bulk, NY.....unit	.40	: .45
<b>LEAD</b> , metal c/l NY.....100 lb	6.95	: 7.00	Iodide, 5 lb bot.....lb	...	: 7.50	Sulfate, 600 lb casks NY...lb	...	: .08
Acetate, white crystals 500 lb			Lithopone, 400 lb bbls, 1c/l wks...lb	...	: .06%	<b>Marble Flour</b> , bulk.....ton	10.00	: 12.00
bbls. wks.....lb	...	: .14%	Bbls. c/l wks.....lb	...	: .06%	See also Calcium Carbonate		
100 to 250 lb kgs. wks...lb	...	: .15	Bags, c/l wks.....lb	...	: .06%	<b>MENTHOL</b> , USP, 60 lb cases...lb	...	: 10.75
White, broken, bbls. wks.100 lb	...	: 13.90	Imported, 400 lb bbls...lb	.05%	: .06	Less cases, 5 lb tins...lb	...	: 11.25
White, gran., bbls. wks.100 lb	...	: 14.15	<b>Litmus Cubes</b> .....lb	.90	: 1.00	Domestic, USP, 60 lb cases...lb	10.50	: 10.75
White, powd., bbls. wks.100 lb	...	: 15.25	<b>Luminal</b> , see Phenylethylmalonylurea			<b>MERCURY</b> , metal 75 lb flask...flask	72.00	: 73.00
Kegs, wks.....lb	...	: .15%	<b>MAGNESITE</b> , crude.....ton	...	: 15.00	Less Flasks, 5 lb jugs...lb	...	: 1.10
Brown, broken, bbls. wks...lb	...	: .13%	Calcined, 500 lb bbls.....ton	...	: 55.00	Bichloride, cryst. 25 lb bxs...lb	...	: 1.13
USP, 100 lb kgs.....lb	...	: .16%	Magnesium mtl., sticks 100 lb ca. lb	1.25	: 1.30	Gran. powd., 200 lb kgs...lb	...	: .98
Arsenate, 100 lb bbls. 1c/l wks...lb	.21	: .26	Carb. tech. 70 lb bags NY...lb	.08	: .08%	Bisulfate, 25 lb boxes...lb	...	: .96
Bbls. c/l wks.....lb	.19	: .20	75 lb bbls. NY.....lb	.09%	: .10%	Blue Mass, 25 lb boxes...lb	...	: .66
Paste, 100 & 600 lb bbls...lb	.10	: .15	USP, 60 lb bbls.....lb	.12	: .14	Powdered, 25 lb boxes...lb	...	: .68
Iodide, USP VIII 5 lb bot...lb	3.20	: 3.40	USP, blocks 100 lb ca. 1, 2, 4	.10	: .23	Blue Ointment, USP 25 lb cans	...	: .81
Nitrate, 500 lb bbls. wks...lb	...	: .13	Chloride, fused 575 lb drs. c/l	...	: 34.00	50%.....lb	...	: .61
Oxide, lithge. 500 lb bbls...lb	...	: .10	Flaked, 350 lb drs wks c/l ton	...	: 36.00	USP, dilute 25 lb cans 30%...lb	...	: .61
100 lb kgs. wks.....lb	...	: .11%	Imp. fused 900 lb bbls NY ton	26.00	: 28.00	33 1/3% Mercury.....lb	...	: .69
Oxide, red 500 lb bbls. wks...lb	...	: .10	Fluossilicate, crystals 400 lb bbls.	...	: 12	Calomel, 50 lb bxs.....lb	...	: 1.22
100 lb kgs. wks.....lb	...	: .09%	wks.....lb	...	: .15	Citricine Ointment 25 lb jars...lb	...	: .51
Peroxide, 100 lb drs.....lb	.25	: .30	30% soln. 500 lb bbls. wks...lb	.07	: .07%	Iodide, green 25 lb jars...lb	...	: 4.10
White, basic carb. 500 lb bbls.	...	: .09%	Soln. bbls. c/l wks...lb	...	: .08	Red, USP 25 lb jars...lb	...	: 4.20
wks.....lb	...	: .09%	Glycerophosphate, 5 lb tins...lb	...	: 3.40	Yellow, USP VIII 25 lb jars...lb	...	: 4.10
Bbls. c/l wks.....lb	...	: .14%	Hypophosphite, 5 lb cans...lb	...	: 1.05	Oxide, Yellow, USP, 25 lb. bxs...lb	...	: 1.68
White, sulfate 500 lb bbls. wks...lb	...	: .08%	Oxide, USP light 100 lb bbls...lb	...	: .42	Red Precip. USP, 25 lb bxs...lb	...	: 1.34
Bbls. c/l wks.....lb	...	: .08%	USP, heavy 250 lb bbls...lb	...	: .50	Powder, USP 25 lb bxs...lb	...	: 1.48
<b>Lecorice Ext. Mass</b> , cases...lb	.25	: .26	Peroxide, 5 lb cans...lb	...	: 2.40	White Precip. USP 25 lb bxs...lb	...	: 1.34
Compound powder, bbls...lb	.11	: .13	Perborate, 1 lb tins...lb	...	: 2.62	Powdered, USP 25 lb bxs...lb	...	: 1.39
Powdered.....lb	.38	: .40	Salicylate, 100 lb kgs...lb	.70	: .75	With chalk, USP 25 lb bxs...lb	...	: .66
Sticks, 1 oz. 100 lb cases...lb	.45	: .50	Sulfate see Epsom Salts			<b>Meta-Nitraniline</b> .....lb	.78	: .80
<b>LIME</b> (Salts, see Calcium Salts)			<b>Manganese Chloride</b> , 600 lb csk.			<b>Meta-Nitro-para-Toluidine</b> , 300 lb	...	: 2.20
Live, 325 lb bbls. ton lots, wks...lb	...	: .01%	NY.....lb	.09%	: .10	bbls.....lb	...	: .95
Single bbl. wks.....lb	...	: .01%	Borate, 30%, 200 lb bbls...lb	...	: .24	<b>Meta-Phenylenediamine</b> , 300 lb	...	: .90
Hydrated, 167 lb bbl, ton lots,	...	: .01%	100 lb kgs.....lb	...	: .25	bbls.....lb	...	: .82
wks.....lb	...	: .01%	Dioxide, 80-84% 900 lb bbls.	...	: 80.00	<b>Meta-Toluylenediamine</b> , 300 lb	...	: .85
Single bbl. wks.....lb	...	: .01%	NY.....ton	80.00	: 85.00	bbls.....lb	...	: .85
Oyster Shell, 150 lb bbl single...lb	...	: .03%	85-90%, 900 lb bbls. NY ton	85.00	: 90.00	bbls.....lb	...	: .85
125 lb bag.....lb	...	: .03%	Hydrated, precip. 100 lb kgs...lb	.15	: .20			
Sulfur, dry 200 lb drs. NY...lb	...	: .08%						
Drs. c/l NY.....lb	...	: .08						
33° Soln. 50 gal. bbls. NY gal	.15	: .16						

# ACETATES

AMYL BUTYL ETHYL

MECCO

The Miner Edgar Company  
Rail and Water Facilities  
110 William Street  
New York

## Chemicals

<b>METHANOL (Wood Alcohol)</b>			Musk Ambrette, 1 lb cans.... lb			15.00	16.00	Ortho-Toluidine, 350 lb bbls.... lb			.13	.15
95%, tanks	gal	.67	NAPHTHA, Solvent, 110 gal. dra.			.30	.31	Oxgall, USP, 5 lb bot.... lb	2.00	3.00		
Drums, c/l	gal	.70	wks.			.25	.26	Purified, 5 lb bot.... lb	1.50	2.50		
Drums, 1c/l	gal	.72	8000 gal. tank cars wks. gal			.08	.08	Crude, 5 lb bot.... lb	.80	1.25		
97% tanks	gal	.69	<b>NAPHTHALENE, Flaks, 175 lb bbls.</b>			.05 1/2	.05 1/2	PALLADIUM, metal 10 oz. lots. oz	75.00	76.00		
Drums, c/l	gal	.72	wks.			.07	.07	Pancreatin, USP 5 lb bot.... lb	1.25	1.40		
Drums, 1c/l	gal	.74	Bbls. c/l wks.			.05 1/2	.05 1/2	Papain, 10 lb bot. USP. Powd.... lb	2.15	2.25		
Pure, Acetone free, tins.	gal	.75	Bbls., second hands NY.... lb			.05	.05 1/2	Crude, 150 lb cans.... lb	1.80	1.85		
Drums, c/l	gal	.77	Balls, 250 lb bbls. wks.			.06 1/2	.07	Paraform, ref'd 200 lb cs. slabs				
Drums, 1c/l	gal	.80	Bbls., c/l wks.			.05 1/2	.06	123-127 Deg. M. P. .... lb	.05 1/2	.06		
Bbls. incl. 5c higher			Crushed, chipped, bgs., wks.			.02 1/2	.03	128-132 Deg. M. P. .... lb	.05 1/2	.06 1/2		
Methyl Acetone, 100 gal. drums. gal	.75	.80	Crude, imp., bags.			.30	.32	133-137 Deg. M. P. .... lb	.06 1/2	.07		
Tanks, cars	gal	.75	Nickel Metal, electrolytic 100 lb			.20	.22	138-140 Deg. M. P. .... lb	.07 1/2	.07 1/2		
Chloride, 90 lb c/l.	lb	.50	Ingot, 100 lb kgs.			.11	.12	Para-Aminocetanilid, 100 lb	1.10	1.15		
Salicylate, USP, 50 lb cans.	lb	.47	Salt, single 400 lb bbls. NY. lb			.10	.11	kegs				
500 lb drums	lb	.45	Double, 400 lb bbls. NY. lb			.40	.42	Para-Aminophenol, 100 lb kgs. lb	1.15	1.25		
Second Hands, cases	lb	.44	Oxide, 100 lb kgs NY.... lb			.07	.07	Hydrochloride, 100 lb keg.... lb	1.35	1.40		
Methylene Blue, tech. 100 lb kgs. lb	1.25	1.50	Sulfate, 450 lb bbls.			1.35	1.00	Para-Dichlorobenzene, 150 lb bbls.				
USP, medicinal 5 lb cans. lb	2.00	2.30	Sulfate, 10 lb tins, 40% lb			1.10	1.35	wks.	.17	.20		
Michler's Ketone, 225 lb bbls. lb		3.75	Nicotine, Free 40%, 8 lb tins. lb			6.50	8.00	25-50 lb kgs	.18	.22		
Milk, powd. 150 lb bbls. lb	.14	.15	Nitro Cake, bulk wks. .... ton			13.00	14.00	Paraaldehyde, 100 gal. dra.... lb		.48		
Milk Sugar, see sugar of milk			500 lb bbls.			.09	.09 1/2	Paraformaldehyde, USP 100 lb cs. lb	.42 1/2	.45		
Mineral Oil, see oil mineral			Nitrobenzene, crude, 1000 lb dra.			.09 1/2	.10 1/2	Para-Nitroacetanilid, 300 lb	.55	.60		
Monosaccharine, 100 gal. drums. lb		.50	wks.			.20	.21	bbls.				
Monochlorobenzene, see chlorobenzene			Redistilled, 1000 lb dra. wks. lb			.14	.15	bbls.	.68	.73		
Monochlorobenzene, 800 lb dra. lb	1.25	1.50	Nitronaphthalene, 550 lb bbls. lb			.03 1/2	.03 1/2	wks. ton	.20	.30		
Monomethyl paraamidophenol sulfate			Nitrotoluene, mixed 1000 lb dra.			1.00	1.25	Para-Nitrochlorobenzene, 1200 lb dra.				
100 lb dra.	3.95	4.20	wks.					wks.	2.75	2.85		
MORPHINE Sulfate, USP 5 oz. tins			Oil Fuel, see Fuel Oil					bbls.	.70	.75		
10 oz.		6.95	OIL MINERAL, wh. 50 gal. bbls. gal					Para-Nitrophenol, 185 lb bbls. lb				
Acetate, 5 oz. tins 10 oz. lots. oz		6.95	Oil Nitrobenzene					Para-Nitrosodimethylaniline, 120 lb				
Hydrobromide, 5 oz. tins 10 oz. lots		6.95	Onion, see crude drugs					bbls.		.95		
Hydride, 5 oz. tins 10 oz. lots		6.95	Orange Mineral, 800 lb cans NY. lb				.14 1/2	Para-Nitrotoluene, 350 lb bbls. lb		.47		
Diastyl Alk. 1/4 oz. via. 10 oz.		10.75	500 lb bbls. NY				.240	Para-oxy Benzaldehyde, 100 lb	1.50	1.60		
Hydride, 1/4 oz. via. 10 oz. oz		9.75	Ortho-Aminophenol, 50 lb kgs. lb				3.00	kegs	1.55	1.60		
Ethyl Hydride, 1/4 oz. via. 10 oz.		10.95	Ortho-Amistidine, 100 lb dra.... lb				.06	Para-Phenetidin, 500 lb dra.... lb	1.55	1.60		
Small Sizes: 1/4 oz. vials, 50c extra;			Ortho-Dichlorobenzene, 1000 lb dra.				.35	Para-Phenylenediamine, 350 lb	1.55	1.60		
1/4 25c extra; single oz. via., 7c ex.			wks.				.40	bbls.	.40	.41		
tra. over price for 5 oz. tins. 25 oz.			Ortho-Nitrochlorobenzene, 1200 lb				1.00	bbls.	.18	.20		
lots in 5 oz. tins, 10c oz. lower than			dra. wks.				.10	Para-Toluene-Sulfonamide, 175 lb	.80	.85		
above schedule. Low than 10 oz. lots			Ortho-Nitrophenol, 350 lb					bbls.				
15c oz. higher than above schedule.			Ortho-Nitrotoluene, 1000 lb dra.					bbls, wks.				
			wks.					Para-Toluidine, 350 lb bbls. wks. lb				

# NITRATE SODA

DOUBLE REFINED CRYSTALS  
GRANULATED OR POWDERED



**BATTELLE & RENWICK**

Estb. 1846 Manufacturers Incp. 1902  
80 Maiden Lane, New York, N. Y.

# WHITING DOMESTIC and IMPORTED GAS CARBON BLACK DENATURED ALCOHOL

SPOT STOCKS CARRIED

**INDUSTRIAL CHEMICAL CO.**  
200 Fifth Avenue NEW YORK

## Chemicals

<b>PARIS GREEN</b>			<b>Piperazine Hydrate, 1 lb bot....D</b>			16.00	<b>POTASSIUM—(Continued)</b>		
Arsenic Basis, 500 lb kegs....D	.25	: .30	Piperidine, 25 oz.....oz	1.10	: 1.25		Chlorate, crys. 112 lb kgs. c/l		
Kegs, 100 lbs.....D	.32	: .33	Pitch, Coal-Tar, wis.....ton	24.00	: 26.00		wis.....D	.08%	: .08%
Kits, 56, 28, 14 lbs.....D	.34	: .35	Plaster Paris, tech 250 lb bbls.bbl	...	: 3.30		Imp. 112 lb kegs NY.....D	...	: .06%
Packages, 5 and 2 lbs.....D	.36	: .37	True Dental, 300 bbls.....bbl	...	: 4.50		Powd., 112 lb kegs wis.....D	.08%	: .09
Packages, 1 lb, 1/2, 1/4 D.....D	.39	: .43	Platinum, metal soft 10 oz. lots..oz	...	: 118.00		Imp., kegs NY.....D	.08%	: .07
Paris White, see whitening, French			Podophyllin, 5 lb bot.....D	5.75	: 6.00		Pyrotechnic, fine powd. NY....D	...	: .08%
Pepsin, USP 5 lb bot.....D	2.25	: 3.50	Second Hands.....D	5.65	: 5.70		USP, fine crys. 110 lb kegs		
<b>PETROLATUM, green 300 lb bbls.D</b>			<b>POTASH, CAUSTIC, solid 88-92%</b>				NY.....D	.08	: .09
Dark Amber, 300 lb bbls.....D	.02 1/4	: .03	700 lb dra wis.....D	...	: .07 1/4		Citrate, USP 10 lb cans.....D	.63	: .66
Light Amber, 300 lb bbls.....D	.04 1/4	: .05	Imp., 88-92% 700 lb dra. NY.D	.06%	: .07		Cyanide 110 lb cans.....D	...	: .65
Cream White, USP 300 lb bbls.D	.07	: .07 1/4	USP, by alcohol 5 lb cans.....D	.46	: .48		Glycerophosphate, 75% Soln. 25 lb	1.60	: 1.70
Lily White, USP, 300 lb bbls.D	.09	: .09 1/4	cases.....D	.30	: .35		tins.....D		
Snow White, USP, 300 lb bbls.D	.12 1/4	: .13	<b>POTASSIUM Acetate, USP, 100 lb</b>				Guaiacol Sulfonate, 5 lb cans,		
Phenol, see also acid carbolie			kegs.....D	.29	: .30		10 lb.....D	3.00	: 3.25
American makers, drums wis..D	.26	: .32	Bicarbonate, crys. 220 lb bbls.D	.12	: .13		Hypophosphite, 10 lb cans.....D	.80	: .85
Open market, dra.....D	.25	: .28	Bichromate, crys. 900 lb casks.D	.09 1/4	: .09 1/2		Iodide, USP, 100 lb cases.....D	3.60	: 3.65
240 lb des dra. wis.....D	.26	: .30	Powd., 900 lb casks wis.....D	...	: .12		Second Hands, cans.....D	3.50	: 3.60
Natural, 240 lb des dra. wis..D	...	: ...	Binexalate, 300 lb bbls.....D	.25	: .28		Lactophosphate, 4 oz bot.....oz	...	: .90
Imported, 336 lb des dra.....D	...	: ...	Import, 112 lb keg.....D	...	: .18		Metabisulfite, 300 lb bbls.....D	.18	: .20
Phenolphthalein, USP, 100 lb dra.D	1.40	: 1.50	Bisulfate, C.F., 5 lb cans.....D	...	: .30		Imp., 550 lb bbls.....D	.10	: .12
5 lb cans, 100 lb lots.....D	1.50	: 1.60	100 lb kegs.....D	...	: .22		Muriate, 80%, 200 lb bags, NY		
Phenyl-Alpha-Naphthylamine 100 lb			cases.....D	...	: .75		K <sub>2</sub> O unit	...	: .61 1/4
kegs.....D	...	: ...	Bromate, 100 lb cs.....D	...	: .75		<b>Nitrate, see Saltpetre</b>		
Phenylethylalcohol, 1 lb bot....D	6.75	: 8.75	BROMIDE, USP, cryst. 450 lb				Oxalate, neutral, 100 lb kegs..D	.35	: .40
Imported.....D	7.75	: 9.75	bbls.....D	...	: .38		Perchlorate, 112 lb kegs.....D	.09 1/4	: .10
Phenylthymolaldehyde, oz. pls..oz	...	: 5.50	Granular, 300 lb bbls....D	...	: .38		<b>PERMANGAN. USP, crys. 500 lb</b>		
Phosgene, 100 lb cylinders.....D	...	: 1.00	Cases, 100 lb.....D	...	: .30		& 100 lb dra. wis.....D	.14	: .14 1/2
Phosphorus Oxide, 175 lb cyl.D	.35	: .40	Imported, USP, 220 lb cs..D	.25	: .27		Imp. 112 lb dra. ....D	.14	: .15
Phosphorus, red 110 lb cs. wis..D	.75	: .85	<b>CARBONATE, 80-85% calc.</b>				Prussiate, red, 100 lb bbls....D	...	: .43
Imported, 112 lb cans.....D	...	: ...	800 lb cks.....D	.05 1/4	: .05 1/2		500 lb casks.....D	.37	: .48
Yellow, 110 lb cs. wis.....D	.40	: .45	80-85%, hydrated, 800 lb				Prussiate, yellow, 500 lb casks.D	.18	: .18 1/2
Imported, 112 lb cans.....D	...	: ...	cks.....D	.05 1/4	: .06		Salicylate, 25 lb cans.....D	.60	: .65
Phosphorus Trichloride, 175 lb cyl.			90-95% calc. casks.....D	.05%	: .06		Sulfate, 200 lb bags, NY.K <sub>2</sub> O unit	...	: .85
wis.....D	...	: .45	96-98% calc. casks.....D	.05%	: .06 1/4		USP, VIII, 100 lb kegs.....D	.15	: .18
Phthalic Anhydride, 100 lb bbls.D	...	: .30	99% calc. casks.....D	.07	: .07 1/4		Sulfocyanide, CP 25 lb jars....D	...	: .50
Pilocarpine Hydrochloride, USP 25 oz.			USP, 100 lb kegs.....D	.12%	: .13		Tartarate, neutral, 100 lb kegs.D	...	: .51
lots, 1 oz vials.....oz	3.00	: 3.32	99% CP casks.....D	.12	: .12 1/4		Titanium Oxalate 200 lb bbls.D	.25	: .30
Nitrate, 25 oz.....oz	...	: 3.00							
Single ounces.....oz	...	: 3.32							
Alkaloid, 15 gr. vls.....oz	...	: .85							

Largest producers of Pure Phthalic Anhydride in the world



**SELDEN**

99.99 + % Pure.

**Brand PHTHALIC ANHYDRIDE**

is the Product by which all other  
Brands may be Standardized.

**IT-IS-PURE**

Unless Phthalic Anhydride melted in a TEST TUBE, has the same colorless appearance as SELDEN BRAND, it contains foreign matter which proves it is *not* STANDARD.

It is possible that trouble in commercial or research work can be traced directly to the use of *impure* Phthalic Anhydride.

**THE SELDEN COMPANY**  
Pittsburgh, Pa., U. S. A.



## Chemicals

Pumice Stone, lump, 250 lb bbls. lb	.04%	.06	QUININE--(continued)			Santonin USP, 1 lb bot..... lb	145.00	148.00
Lump, bags..... lb	.03%	.05	Tartrate..... oz	.88		Powd. 1 lb bot..... lb	148.00	150.00
Powdered, 350 lb bbls..... lb	.02%	.03	Valerate..... oz	.89		Saponin, ex Quillaia, 5 lb tins. lb	.90	1.10
Pyridine, 50 gal drums..... gal	3.80	4.00	Small Sizes: 1 oz vials or cans, 5000 lots, 5c oz extra; 5000 cans, 5000 lots, 3c oz extra; 2500 cans, 5000 lots, 2c oz extra; single 100 vials or cans, 5c extra. All minor quinone salts sold and quoted basis 10000 lots in 10000 cans. Sulfate and bisulfate sold basis 10000 lots in 10000 cans. Smaller orders or containers extra as above schedule.			Satir White, 500 lb bbls..... lb	.60	.01%
QUICKSILVER, see Mercury						Schaeffer's Salt, 250 lb bbls.wis. lb	.60	.05
Quinidine Alk., 10000 tins..... oz	.75					Scopolamine, see hyoscine.		
Sulfate, 10000 tins..... oz	.50					Selditz Mixture, 22 lb bbls..... lb	.17	.18
Quinoidine, see Chinoidin						SILICA		
QUININE SULFATE, USP,						Crude, bulk, minor..... ton	10.00	12.00
American, 10000 tins..... oz	.50					Refined, coated, bags..... ton	18.00	30.00
100 tins, 10000 lots..... oz	.57					Air coated, bags..... ton	32.00	50.00
Dutch, 10000 tins..... oz	.50					Extra, coated, bags..... ton	55.00	65.00
Java, 10000 tins..... oz	.50					SILVER, metal, American..... oz		.99%
Japanese, 10000 tins..... oz	.50					Foreign..... oz		.67%
QUININE SULFATE, USP,						Colloidal, 1600 bot..... oz		2.80
Acetate..... oz	.28					Silver Iodide, 1600 bot..... oz		.49
Arsenate..... oz	.88					Nitrate, USP, 20000 bot..... oz	.45	.46
Benzoate..... oz	.88					Nucleinate, 1600 bot..... oz	.34	.38
Bisulfate, USP..... oz	.50					Protein, 1600 bot..... oz	.34	.38
Citrate..... oz	.62					Soap, Castile, 40 lb bxs..... lb	.20	.25
Dihydrochloride, USP..... oz	.66					Powd. USP, 250 lb bbls..... lb	.28	.29
Dihydrobromide..... oz	.66					Green, USP, 150 lb kgs..... lb	.07	.07%
Dicarbonate, 1000 tins..... oz	2.50					Soapstone, see Talc, crude		
Ethyl Carbonate, 1600 tins..... oz	.91					SODA ASH, 55% light		
Ferrocyanide..... oz	.88					1-4 bags, deliv'd NY..... 100 lb		2.19
Formate..... oz	.85					5 & Up bags, deliv'd NY..... 100 lb		2.04
Glycerophosphate..... oz	.88					1-4 bbls, deliv'd NY..... 100 lb		2.44
Iodide..... oz	.88					5 & Up bbls, deliv'd NY..... 100 lb		2.29
Hydrobromide, USP..... oz	.62					Contract, Basis 58% bags c/l wks..... 100 lb		1.38
Hydrochloride, USP..... oz	.62					Prompt and spot, Basis 58% bags c/l wks..... 100 lb		1.48
Hydrochlorosulfate..... oz	.66					Contract, Basis 58% dense bags c/l wks..... 100 lb		1.45
Hydride & Urea, USP..... lb	.28					Prompt and spot, Basis 58% bags c/l wks..... 100 lb		1.55
Hypophosphite..... oz	.83					SODA, CAUSTIC, 76% solid		
Lactate..... oz	.78					1-4 drums deliv'd NY..... 100 lb		3.91
Phosphosulfate..... oz	.88					5 & Up drums deliv'd NY..... 100 lb		3.76
Phosphate..... oz	.74					Ground & Flake, 76%		
Sulphate, USP..... oz	.63					1-4 drums, deliv'd NY..... 100 lb		4.51
Tannate, USP..... oz	.45					5 & Up drums deliv'd NY..... 100 lb		4.16
						1-4 bbls, deliv'd..... 100 lb		4.56
						5 & Up bbls, deliv'd..... 100 lb		4.41
						Contract basis 76% c/l wks..... 100 lb		3.10

Soda Ash  
Caustic Soda  
Bicarbonate of Soda



Textile Soda  
Modified Sodas  
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Dense—Light—Extra light (Fluf)

**Solvay 76% Caustic Soda**

Solid—Flake—Ground

**Solvay Super Alkali**

**Solvay Snow Flake Crystals**

**Solvay Laundry Soda**

**Solvay Cleansing Soda**

**Solvay Tanners Alkali**

**Solvay Tanners Soda**

**Solvay Liquid Caustic Soda**

**Solvay Calcium Chloride 73%—75%**



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## Chemicals

## SODA CAUSTIC—(Continued)

Pmpt. and spot, Basis 76% c/l wks. ....100lb	...	3.30
Contract 74% low grade c/l wks. flat ....100lb	...	3.02
Ground & flake, 76% pmpt. and spot, wks c/l drs. ....100lb	...	3.60
Contract, 76% drums, c/l wks flat ....100lb	...	3.50
USP, stick, 10 lb cans. ....D	...	.19
Pure, stick, by alcohol. ....D	...	.25

## SODIUM ACETATE, crys. 450 lb bbls

wks. ....D	...	.05 1/2
Car lots, bbls, wks. ....D	...	.05
Aluminate, 500 lb bbls, wks. ....D	...	.07 1/2
Aluminum Sulfate, see alum soda		
Arsenite, 4 lb mat. wks. drums gal	...	.50
Drums, 8 lb material, wks. gal	...	1.20
Benamate, USP, 100 lb bbls. ....D	...	.65
Bicarbonate, 400 lb bbls, NY, 100 lb bbls c/l wks. ....100lb	...	2.25
112 lb kegs wks. ....100lb	...	2.00
112 lb kegs, NY. ....100lb	...	2.25
Bichromate, 600 lb cases wks. ....D	...	2.50
Casas, c/l wks. ....D	...	.07 1/2
Casas, NY. ....D	...	.07 1/2
Quinoline dry powder, 500 lb bbls, wks. ....D	...	.04
Solution, 32-40°, 500 lb bbls wks. ....100lb	...	1.25
Bromide, 100 lb cs. ....D	...	1.05
Bromide, USP, 450 lb bbls. ....D	...	.58
Cases, 50 lb. ....D	...	.39
Imp. USP, 112 lb cs. ....D	...	.33
Caedylate, USP, 5 lb. bot. 25 lb. ....D	...	5.50
Carbonate, sal soda, 350 lb bbls. lc/l NY. ....100lb	...	1.30
Works c/l. ....100lb	...	1.10
Monohydrate, 400 lb bbl. lc/l NY. ....100lb	...	2.40
Pure photographic, 100 lb keg. ....D	...	.06
Chlorate, 112 lb kegs, wks. ....D	...	.06 1/2
Imported, 112 lb kegs. ....D	...	.07

## SODIUM—(Continued)

Chloride, tech. 200 lb bags. ....ton	12.00	15.00
C. P., 300 lb bbls. ....D	.05	.06
Chromate, 800 lb bbls. ....D	...	.08
Citrate, USP, IX, 100 lb kegs. ....D	.82	.66
USP, VIII, 100 lb kegs. ....D	.35	.59
Cyanide, 98-98%, 100 lb cases wks. ....D	...	.22
Ten lots, wks. ....D	...	.22
73-76%, 100 lb cases, wks. ....D	...	.19 1/2
125-126%, 200 lb cs. ....D	.20	.20 1/2
120-125%, 200 lb cs. ....D	.16	.17
118-126%, 200 lb cs. ....D	...	.18
Fluoride, 300 lb bbls, wks. ....D	.08 1/2	.09 1/2
Imp. 350 lb bbls. ....D	.08 1/2	.08 1/2
Glycerophos USP. crys 25 lb cans. ....D	1.65	1.75
Powder, 25 lb tins. ....D	1.70	1.80
Solution, USP 25 lb tins. ....D	1.10	1.20
Hypochlorite, see Soda Caustic		
Hypochlorite, 100 lb chys. ....D	...	.05
14% soln., 50 lb chys. ....D	...	.04
Hydroxide, 200 lb bbls, rob. wks. ....D	.23	.24
For Stripping, 50 lb cans. ....D	.35	.40
Hydrophosphite USP 25 lb cans D. ....D	.70	.75
HYPOSULFITE, tech. pea crys. 375 lb bbls, wks. ....100lb	2.65	3.05
Bbls. c/l wks. ....100lb	...	2.50
100 lb kegs wks. ....100lb	2.75	3.35
Imp. ....100lb	2.75	3.00
Granulated, bbls, wks. ....100lb	2.90	3.30
Bbls. c/l wks. ....100lb	...	2.75
Kegs, wks. ....100lb	3.00	3.60
Regular crystals. ....100lb	2.35	2.65
Ionide USP, 25 lb jars. ....D	4.25	4.30
Metanilate, 150 lb bbls. ....D	.55	.70
Nanthonate, 300 lb bbls. ....D	.59	.62
Nitrate, crude, 95%, 300 lb bbs. c/l NY. ....100lb	...	2.65
Futures, NY. ....100lb	2.40	2.45
Monohydrate, 400 lb bbl. gran. c/l wks. ....D	...	.04 1/2
Nitrite, 500 lb bbls, wks. ....D	.08	.08 1/2
Bbls. spot, makers. ....D	...	.08 1/2
Imp. 650 lb cases. ....D	.08 1/2	.09

## SODIUM—(Continued)

Ortho-Chloro-para-Toluene Sulfo- nate, 175 lb bbls, wks. ....D	.25	.27
Oxalate, neutral, 100 lb kegs. ....D	...	.39
Perborate, 275 lb bbls. ....D	...	.33 1/2
Imp., 225 lb drs. ....D	...	.31
Peroxide, 200 lb cases. ....D	.25	.27
Phosphate, di-sodium, tech 550 lb bbls. ....D	.03 1/2	.03 1/2
USP, gran. 275 bbls. ....D	.07	.07 1/2
Imp. gran. ....D	.05 1/2	.06
USP, recryst. 275 bbls. ....D	.10	.11
Mono-sodium 100 lb kegs. ....D	.24	.26
Tri-sodium tech. c/l, bbls. ....D	.03 1/2	.04
Pteramate, 100 lb kegs. ....D	...	.69
Para-Toluene Sulfonate, 175 lb bbls. ....D	.08	.09
PRUSSIAN, yellow, 250 lb bbls. ....D	...	.10 1/2
Imp., 450 lb cs. ....D	.09 1/2	.10
Pyrophosphate, 100 lb kegs. ....D	.24	.26
Salicylate, 100 lb kegs. ....D	...	.40
Second Hands, USP, kegs. ....D	.37	.40
Silicate, 60° 700 lb bbls, f.a.s. NY. ....100lb	...	2.00
Works, 1000 lb drums. ....100lb	...	1.90
Works, tanks. ....100lb	...	1.75
40° domestic, 700 lb c/l f.o.b. wks. ....100lb	...	.80
Works, 1000 lb drums. ....100lb	...	.75
Works, tanks. ....100lb	...	.75
Spot, drums, bbls. ....100lb	1.05	1.30
Silicofluoride, 450 lb bbls, NY, D Sulphate, see Glauber's Salt	...	.06
Sulfate, Anhydrous, 550 lb bbls, c/l. ....D	.03 1/2	.05
Sulfide, 60% solid, 650 lb drs. lc/l wks. ....D	.04 1/2	.05
Drs. c/l wks. ....D	.03 1/2	.04
Imp. 700 lb drs. NY. ....D	...	.03 1/2
60% broken, 650 lb drs wks. ....D	.04 1/2	.05
Imp., 500 lb drs. NY. ....D	.03 1/2	.04
30% crys. 440 lb bbls, wks. ....D	.02 1/2	.02 1/2
Imp., 400 lb bbls. ....D	.02 1/2	.02 1/2
Sulfite, crys. 400 lb bbls, wks. ....D	.03 1/2	.03 1/2
Anhydrous, 400 lb bbls. ....D	.09 1/2	.10



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## Chemicals

<b>SODIUM—(Continued)</b>			<b>SULFUR, crude bulk, c/l NY...ton</b>			18.00	: 19.00	<b>Thiocarbamid, 170 lb. bbls.....lb</b>			.27	: .29
Sulfocarbonate, USP 100 lb			Crude, f.a.b. mines.....ton			14.00	: 15.00	Thymol, USP, 25 lb tins.....lb			3.00	: 3.10
kegs.....lb	.35	: .37	Brimstone, 250 lb bags, c/l 100 lb			1.75	: 1.95	Iodide, 5 lb boxes.....lb			6.75	: 7.00
Sulfocyanide, 400 lb bbls.....lb	.45	: .47	Less c/l bags NY.....100 lb			1.85	: 2.10	TIN, Metal Straits, NY.....100 lb			45.00	
Tungstate, crys. 100 lb kegs.....lb	.60	: .65	Roll, 500 lb bbls, c/l NY 100 lb			2.15		American standard, NY.....100 lb			44.87	
Anhydrous, kegs.....lb		: .75	Less c/l bags NY.....100 lb			2.20	: 2.45	99% American, NY.....100 lb			44.50	
Solvent Naphtha, see Naphtha			Flour, Heavy, 290 lb bbls, 100 lb			2.50	: 3.05	Bichloride, 56% soln. 100 lb				
Spartein Sulfate, USP, 250 lb bulk	.39	: .40	Light, 100%, 260 lb bbls, 100 lb			2.60	: 3.15	bbls. wks.....lb			.12%	
Single oz. vial.....oz		: .47	Rubbermakers 100%, 240 lb					Crystals, 500 lb bbls wks.....lb			.33	
Starch, rice, 140 lb bags.....lb	.09	: .10	bbls, NY.....100 lb			2.50	: 3.30	100 lb kegs. wks.....lb			.33%	
<b>STRONTIUM Bromide, USP, 50 lb</b>			Commercial, 99%, 150 lb bgs			1.35	: 1.65	Oxide, 400 lb bbls wks.....lb			.48	
kegs.....lb	.41	: .42	NY.....100 lb					100 lb kegs. wks.....lb			.50	
Carb. 600 lb bbls wks.....lb		: .07	For Dusting, 99%, 100 lb			2.00	: 2.50	Tetrachloride, 1000 lb drs. wks.....lb			.26	
100 lb kegs wks.....lb		: .08	Flowers, 100%, 240 lb bbls					Tolidine, 350 lb bbls.....lb			1.00	: 1.10
Iodide, USP, 25 lb jars.....lb		: 4.00	NY.....100 lb			3.00	: 3.55	Sulfate, 350 lb bbls.....lb			1.10	
Nitrate, 600 lb bbls wks.....lb	.10	: .10%	Precipitated, 125 lb bbls NY.....lb			.14	: .17	Toluene, 800 gal tank cars, wks.gal			.26	
Imp., bbls, NY.....lb		: .09%	Lac, 125 lb bbls NY.....lb			.07	: .10	110 gal. drs. wks.....gal			.31	
Salicylate, USP, 100 lb kegs.....lb	.70	: .75	Sulfur Chloride, red, 700 lb drs					Toluidine, Mixed, 900 lb drs. wks.....lb			.31	
<b>STRYCHNINE Alkaloid, USP, crys.</b>			wks.....lb			.06	: .07	Triacetin, 50 gal. drs., wks.....lb			.37%	
100 oz. tins.....oz		: .61	150 lb crys. wks.....lb				: .08	Tribromphenol, 100 lb cases.....lb			1.00	
Alk. powd., USP.....oz		: .61	Yellow, 700 lb drs. wks.....lb			.05	: .06	Trional, see Sulfonethylmethane				
Acetate.....oz		: .68	150 lb crys. wks.....lb				: .06	Triphenylguanidine.....lb			.80	
Glycerophosphate, USP.....oz		: .68	Sulfur Dioxide, 100 lb cyl.....lb			.08	: .08%	Triphenyl Phosphate, 450 lb bbls lb			.55	
Hydrobromide.....oz		: .68	Iodide, USP, VIII, 5 lb bot.....lb				: 4.55	Tripoli, 500 lb bbls.....100 lb			2.50	: 3.00
Hydrochloride.....oz		: .68	Sulfuric Ether, see Ether			.75	: 1.00	Tungsten NY.....W.O. unit			8.75	: 9.50
Hypophosphite.....oz		: .78	Sulfuryl Chloride, 600 lb drs.....lb					Ultramarine Blue.....lb			.18	
Nitrate, USP.....oz		: .68	TALC, Italian 220 lb bags NY.....ton			40.00	: 50.00	UREA, pharm. 112 lb cases.....lb			.30	
Phosphate.....oz		: .68	Refined white, bags.....ton			60.00	: 80.00	VANILLIN, USP, 500 oz cans.....oz			40%	
Sulfate, USP, crys. powd.....oz		: 41%	French, 220 lb bgs., NY.....ton			30.00	: 35.00	Cans, 80 oz.....oz			.50	
Saccharinate.....oz		: 1.75	Refined, white, bags.....ton			35.00	: 45.00	Cans, 16 oz.....oz			.51	
Strychnine preparations quoted bases			Dom., crude, 100 lb bags NY.....ton			13.00	: 15.00	Second Hands.....oz			.42%	: .45
1000 lots in 1000s tins. Small Sizes:			Refined, 100 lb bags NY.....ton			16.00	: 18.00	Venetian Red.....lb			.05	
1/4 oz vials, 50c extra; 1/2 oz vials, 25c			Tar, Coal Gas, Tks, wks.....gal			.06	: .08	Verdigris, see Copper Subacetate				
extra; single ounce vials, 7c extra. Lots			Coke Oven Tks, wks.....gal			.07	: .08	Vermilion, Amer. 100 lb kegs.....lb			.35	: .40
of 25 ozs. 5c higher than above			Water Gas, Tks, wks.....gal			.06	: .08	English, kegs.....lb			1.30	: 1.35
schedule. Lots of less than 25 ozs.			Tartar Emetic, tech. 700 lb bbls lb			.28	: .28	Veratrine Sulfate, 100 vial.....oz			1.85	
10c higher per oz.			USP, 300 lb bbls.....lb			.31	: .34	Hydrochloride, 100 vial.....oz			1.85	
Sugar Coloring, bbls.....gal	.63	: .72	Terpin Hydrate, USP, 100 lb kegs lb			.60	: .62	Veronal, see Acid Diethylbarbituric				
Sugar Milk USP, 200 lb bbls.....lb	.22	: .23	Terpineol, CP 1000 lb drums.....lb			.43	: .50	<b>WHITE LEAD, see lead, white.</b>				
Second Hands, USP, bbls.....lb	.20%	: .21	Cans, 50 lb.....lb			.53	: .57	White Precipitate, see mercury.				
Sulfonal, see Sulfonmethane			Imported, cans, 25 lb.....lb			.95	: 1.20	Whiting, 200 lb bags, c/l wks.ton	13.00	: 15.00		
Sulfonethylmethane, USP, 10 lb bbs lb	3.85	: 4.05	Terpenyl Acetate, 25 lb cans.....lb			1.65	: 1.85	Bags, 1c/l NY.....ton			18.00	
Sulfonmethane, USP, 10 lb bbs.....lb	2.65	: 2.85	Terra Alba, No. 1, 300 lb bbls 100 lb			1.85	: 1.90	Gilders, bags, NY.....ton	13.50	: 15.00		
			No. 2, bbls.....100 lb			1.25	: 1.35	French, bags, NY.....ton			15.00	
			Theobromine Alk., 5 lb cans.....lb			4.00	: 4.10	English, bags, NY.....ton			21.00	
			and Sod. Salicylate, 1 lb bot.....lb				: 3.42	Witch Hazel Extract, 50 gal. bbls.gal	1.20	: 1.25		

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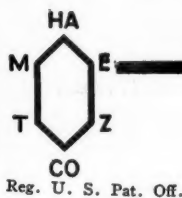
## Chemicals

KYLENE, 3° dist. range, nitration	.45	.50
ths. wks. ....gal	.50	.55
110 gal. drs. NY.....gal		
5° dist. range, 8000gal. tanks		
wks. ....gal	.35	.40
110 gal. drs. wks. ....gal	.40	.45
10° dist. range, drums, wks. ....gal	.35	.40
Commercial, 110 gal. drs., wks. ....gal	.32	.33
Tanks, wks. ....gal	.26	.27
Kylidine .....	.40	.45
YARA YARA, 1 lb. tins. ....lb	1.75	2.00
Yohimbine Hydrochloride, 1 oz. vial. ....oz	3.00	3.57
ZINC, METAL, high grade, slabs		
c/l NY, 100 lb. ....lb	8.25	
Common Slabs, c/l NY, 100 lb. ....lb	6.20	6.25
Mossy, 25 lb. tins NY.....lb		.14
Ammonium Chloride, powd., 400 lb. bbls. ....lb	.07½	.08
Carb. tech. 150 lb. kegs NY.....lb		.23
USP, 100 lb. kegs .....lb		.33
Chloride, fused, 600 lb. drs. wks. ....lb		.08
Drs. c/l wks. ....lb	.04½	.05
Imp. drs. NY.....lb	.04½	.05
Granulated, 500 lb. bbls. wks. ....lb	.07	.07½
Imported, drs. NY.....lb		.06½
Solution, 50%, tanks wks. ....lb	2.25	2.50
USP, 25 lb. jars .....lb	.27	.29
Cyanide, 100 lb. drs. ....lb	.36	.37
Dust, 100 lb. tins wks. ....lb	.09½	.10
500 lb. bbls, kegs, lc/l wks. ....lb		.09½
500 lb. bbls, kegs, c/l wks. ....lb		.08½
Iodide, 5 lb. botls. ....lb		5.28
Nitrate, 25 lb. jars. ....lb		.45
Oxide, Amer. 300 lb. bbls, wks. ....lb	.08½	.08½
Bbls. c/l wks. ....lb	.08	.08½
French, 300 lb. bbls wks. ....lb	.10½	.12½
Bbl c/l wks. ....lb	.09½	.11½
Bags, c/l wks. ....lb	.09½	.10½
USP, 100 lb. bbls. c/l. ....lb		.17
Ton lots, wks. ....lb		.18
Imported, white seal, bbls. ....lb		.13
Green seal bbls. ....lb		.10
USP, 100 lb. bbls. ....lb		.19½
Stearate, USP, 50 lb. bbls. ....lb		.33
Sulfate, 400 lb. bbls, wks. ....lb	.08½	.08½
Bbls. c/l wks. ....lb		.08
USP, 100 lb. kegs .....lb	.08	.09
Sulfocarbonate, 100 lb. kegs. ....lb	.32	.34

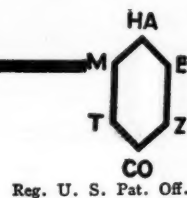
## Oils

Castor, No. 1, 400 lb. bbls. ....lb	.15½	.16
80 lb. cases. ....lb		.16½
No. 3, bbls. ....lb	.15	.15½
Blown, 400 lb. bbls. ....lb		.18½
China Wood, bbls., spot NY.....lb	.14	.14½
Tanks, Spot, NY.....lb		.14½
July forward, arrival NY bbls. ....lb		.14½
July forward, arrival NY tanks. ....lb		.14½
Coast, tanks, July, forward. ....lb	.12½	.13
Cocunut Ceylon, 375 lb. bbls., NY. ....lb	.10	.10½
8000 gal. tanks, NY.....lb		.08½
Cochin, 375 lb. bbls, NY.....lb	.10	.10½
Tanks, NY.....lb		.09
Manila tanks, P. Coast. ....lb	.08½	.08½
Edible, bbls, NY.....lb	.10½	.10½
Cod Newfoundland, 56 gal. bbls. ....gal	.58	.60
Tanks, NY.....lb	.54	.56
Copra, bags .....lb	.05½	.05½
Corn, ref., 375 lb. bbls., NY.....lb	.12½	.13
Crude, tanks mills .....lb	.09½	.09½
Bbls., NY.....lb	.10½	.10½
Cottonseed, crude ths. mill. ....lb		.09½
P. S. Y., 100 bbl. lots NY.....lb	.11½	.12½
White, 100 bbl. lots, NY.....lb		.12½
Winter yellow, 100 bbls, NY.....lb	.12½	.12½
Degras, Amer. 50 gal. bbls, NY.....lb	.04½	.04½
English, light, bbls, NY.....lb		.05½
Dark, bbls, NY.....lb	.04½	.04½
Neutral, bbls, NY.....lb	.10	Nom.
Moellen, bbls, NY.....lb		.50
Greases, choice white, bbls, NY.....lb	.09½	.10
Yellow .....lb		.06½
Brown .....lb		.06½
House .....lb		.06½
Bone naphtha .....lb		.06½
Herring, Tanks, Coast .....gal		
Horse, 375 lb. bbls, NY.....lb	.07½	Nom.
Lard, prime steam bbls. ....lb	.13	.13½
Compounds, bbls. ....lb		.13

LARD OIL, Edible prime, bbls. ....lb	.14	
Off prime, bbls. ....lb	.12½	
Extra, bbls. ....lb	.11½	
Extra No. 1, bbls. ....lb	.11½	
No. 1 lble. ....lb	.10½	
No. 2 bbls. ....lb	.10½	
LINSEED, raw c/l bbls, spot. ....gal	.96	
Five bbls., raw .....gal	.99	
Boiled, 5 bbl. lots. ....gal	1.01	
Double boiled 5 bbl. lots. ....gal	1.02	
Raw, lc/l, bbls. ....gal	1.01	
Tanks .....gal	.90	
July-Sept., c/l bbls. ....gal	.96	
Imported, bbls, NY.....gal		
Tanks, NY.....gal		
Menhaden, crude bbls, wks. ....gal		
Crude, tanks, Balt. ....gal	.40	
Light strained, tanks. ....gal		
Light strained, bbls, NY.....gal	.55	.57
Yellow bleached, bbls, NY.....gal	.57	.59
Extra bleached, bbls, NY.....gal	.59	.61
Blown, bbls, NY.....lb	.10	
Nestsfoot, 20° c.t. bbls, NY.....lb	.19½	
Pure, bbls, NY.....lb	.15	
Extra, bbls, NY.....lb	.10½	
Olso Oil, No. 1, bbls, NY.....lb	.13½	.13½
No. 2, bbls, NY.....lb	.11½	.12
No. 3, bbls, NY.....lb		.10
OLIVE, denatured bbls, NY.....gal	1.20	1.22
Edible, bbls, NY.....gal	2.00	2.25
Foots, bbls, NY.....lb	.09½	.09½
Shipments .....lb	.09½	.09½
Palm Lagos, 1500 lb. casks. ....lb	.07½	.07½
Niger casks .....lb	.07½	.07½
Bonny old Calabar, casks. ....lb	.07	Nom.
Palm Kernel, bbls., NY.....lb	.09	.09½
Peanut, refined bbls, NY.....lb	.15½	.16
Crude, mills buyers' ths. ....lb		
Crude, bbls, NY.....lb		
Pertilla, bbls., NY.....lb	.14½	.14½
Poppyseed, bbls, NY.....gal	2.25	2.50



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## Oils and Fertilizers

Rapeseed, refined bbls. NY.....gal	...	83
Blown, bbls. NY, 8 lbs. ....gal	...	1.00
Red Oil, distilled, bbls. ....lb	...	.08%
Saponified, bbls. ....lb	...	.08%
Tanks .....lb	...	.08
Salmon, 8000 gal. tks. Coast.....gal	...	...
Sesame, edible bbls. ....lb	...	.11%
Sod Oil, bbls. NY.....gal	...	.40
SOYA BEAN, crude tks. Coast..lb	...	.10%
Crude, tks. NY.....lb	...	.10%
Crude, bbls. NY.....lb	...	.12%
Sperm, 38° c.t. blehd. bbls. NY.gal	...	.89
45° cold test, blehd. bbls. NY.gal	...	.84
STEARIC ACID, a.p. 200 lb bags. lb	...	.10%
Double pressed, bags .....lb	...	.11%
Double pressed, bgs., saponified. lb	...	.11%
Triple pressed, bgs., distilled..lb	...	.13%
Triple pressed, bgs., saponified..lb	...	.13%
Stearine, oleo, bbls. ....lb	...	.12%
Tallow, edible, tierces .....lb	...	.10
City, extra, loose .....lb	...	.07%
Tallow Oil, acidless tks. NY.....lb	...	.09%
Bbls., c/ NY .....lb	...	.10%
Walnut, crude bbls. NY.....lb	...	...
Whale, nat winter bbls. NY.....gal	...	.77
Blehd. winter bbls. NY.....gal	...	.81
Extra Blehd. bbls. NY.....gal	...	.83
Crude, No. 1, tanks Coast.....gal	...	...
Crude, No. 2, tanks Coast.....gal	...	...
Crude, No. 3, tanks Coast.....gal	...	...

## Fertilizer Materials

Blood, dried f.o.b. Balt.....unit	3.00	3.10
Chicago .....unit	3.50	3.75
Bone, 3 & 50 ground steamed..ton	20.00	21.00
Raw, Chicago .....ton	25.00	26.00
Cyanamide, NY, basis .....unit	2.00	2.00
Fish Scrap, dried wks.....unit	3.25	3.50
Acid, Bulk 7 & 3 1/2, Deliv. ....unit	2.85	3.00
Norfolk & Balt. basis.....unit	2.85	3.00
Steamed Bone Meal, 3 & 50,Balt.ton	24.00	24.00
Tankage, ground, NY.....unit	2.65	2.75
High grade f.o.b. Chicago.....unit	3.25	3.50

Ammon. Sulf., bulk wks.....100lb	2.50	2.60
Double bgs. f.a.s. NY.....100lb	2.60	2.65
Single bags, wks.....100lb	2.60	2.65
NITRATE SODA, NY.....100lb	2.62 1/2	2.65
Future, July, Aug.....100lb	2.35	2.45
Phosphate Rock, f.o.b. mines	...	...
Florida Pebble, 68% .....ton	2.25	2.50
Florida Pebble, 70% .....ton	2.50	2.50
Florida Pebble, 75-74% .....ton	3.75	3.75
Tennessee, 72% .....ton	5.50	5.50
Phosphate Acid, 16% Bulk wks..ton	7.50	8.00
PECTASH	...	...
Pot. Chloride, 90% basis, bgs.ton	31.10	31.10
Pot. Sulfate, 90% basis, bgs.ton	41.27	41.27
Dbie. Manure Salts, 48% basis	...	...
bgs. ....ton	23.72	23.72
Manure Salts, 30% basis, bulk.ton	15.33	15.33
Manure Salts, 20% basis, bulk.ton	9.50	9.50
Kainite, 12.4% basis, bulk.ton	6.50	6.50
Bulk in bags, \$2.00 extra.	...	...
Prices c.i.f. Atlantic & Gulf Ports.	...	...

## Naval Stores

(Carloads ex-yard N. Y.)	...	...
Spirits Turpentine, bbls.....gal	...	.83 1/2
Wood Turpentine, stm. distd. bbls.gal	...	.73 1/2
Destructive distilled, bbls.....gal	...	.52
Pine Oil, stm. dist'd, bbls.....gal	...	.60
Pitch, prime .....bbl	...	5.50
Resins, (Sold in 600 lb bbls., gross for net, quotations based on a unit of 280 lb.)	...	...
B .....280 lb	...	5.55
D .....280 lb	...	5.65
E .....280 lb	...	5.75
F .....280 lb	...	5.80
G .....280 lb	...	5.80
H .....280 lb	...	5.80
I .....280 lb	...	5.80
K .....280 lb	...	5.85
M .....280 lb	...	5.90
N .....280 lb	...	6.10
WG .....280 lb	...	6.00
WW .....280 lb	...	7.60

Rosin Oil, first run, 50 gal. bbls.gal	...	.38
Second run, bbls.....gal	...	.44
Tar, kiln-burnt .....bbl	...	10.50
Retort .....bbl	...	10.50

## Dye and Tan Woods

Barwood, chips .....lb	.04 1/2	.08
Camwood, chips .....lb	.09	.12
Divi Divi, pods 100-200 lb bags.ton	42.00	45.00
Fastic, sticks .....ton	30.00	33.00
Chips .....lb	.04	.05
Hemlock, bark .....ton	20.00	20.00
Hyperic, chips .....lb	.06 1/2	.07
LOGWOOD, sticks .....ton	23.00	27.00
Chips 150 lb bags.....lb	.03	.03 1/2
Mangrove bark, African.....ton	34.00	36.00
Myrobalans, 150 lb bags J1.....ton	37.00	38.00
R1 .....ton	33.00	34.00
J2 .....ton	30.00	31.00
Nutgalls, see Cruda Drugs	...	...
Oak bark, whole .....ton	20.00	23.00
Ground .....ton	...	25.00
Quercitron bark, rough.....ton	10.00	10.00
Ground .....ton	20.00	25.00
Sumac, Sicily, 160 lb bags.....ton	158.00	160.00
Virginia, 150 lb bags.....ton	40.00	45.00
Valonia Caps, 30-31% tan.....ton	32.00	33.00
Beard, 42% tan, 150 lb bgs.ton	49.00	50.00
Mixtures, 36% tan.....ton	37.00	38.00
Wattle bark, 150 lb bgs.....ton	33.00	34.00

## Extracts

Range of prices includes quality range for large quantity.	...	...
Annatto, fine .....lb	.26	.29
Archil, double 600 lb bbls.....lb	.13	.14
Triple, 600 lb bbls.....lb	.16	.17
Conc., 600 lb bbls.....lb	.18	.20

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INCORPORATED

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Telephone Broad 5428

Soda Ash  
Caustic Soda  
Sal Soda  
Glauber's Salt  
Tri Sodium Phosphate  
Sodium Bicarbonate  
Sodium Silicate

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## Tannins and Dyestuffs

Chestnut, clarified, 25% tka. wks. D	.01%	.01%
Bbls., wks. .... D	.02%	.03
Powd., 60% 100 lb bags, wks. D	.03%	.05%
Decolorized, bags, wks. .... D	.06%	.07
Cashew, English .... D	.18	.20
Cashew, Rangoon, 100 lb bales. .... D	.14	.16
Borneo, solid, 100 lb bales. .... D	.04%	.05%
Liquid, 450 lb bbls. .... D	.07%	.11
Tablets, 120 lb boxes. .... D	.13	.14
Flavine .... D	.95	1.00
Furic, solid 50 lb boxes. .... D	.20	.22
Crystals, 100 lb boxes. .... D	.20	.22
Liquid, 51°, 600 lb bbls. .... D	.10	.14
Gall extract .... D	.16	.18
Gambier, 25% liq. 450 lb bbls. .... D	.11%	.14
Common, 200 lb cases. .... D	.12%	.13
Singapore cubes, 150 lb bags. .... D	.21	.23
HEMATINE, Paste, 500 lb bbls. .... D	.09%	.13
Crystals, 400 lb bbls. .... D	.12	.20
Hemlock, 25% 600 lb bbls. wks. .... D	.03%	.03%
Hyperic, 51°, 600 lb bbls. .... D	.16	.18
Indigo, Madras, bbls. .... D	.85	.90
Manilla, bbls. .... D	...	1.30
Larch, 25%, 600 lb bbls., wks. .... D	.03%	.04
Powd. 100 lb bags, wks. .... D	.07	.08
Logwood, 51°, 600 lb bbls. .... D	...	.09
Lower grades .... D	.07	.08
Solid, 50 lb boxes. .... D	.09	.15
Madder, Dutch .... D	.28	.30
Mangrove, 55% 400 lb bbls. .... D	.04%	.05
Myrobalsans, 25% liquid bbls. .... D	.04	.05
50% solid, 50 lb boxes. .... D	.05	.05%
Oak, tanks, wks. .... D	.04	.04%
23-25% liq. 600 lb bbls. wks. .... D	.04%	.04%
Osage Orange, 51° Liquid. .... D	.07	.08
Powd. 100 lb bags. .... D	.14	.15

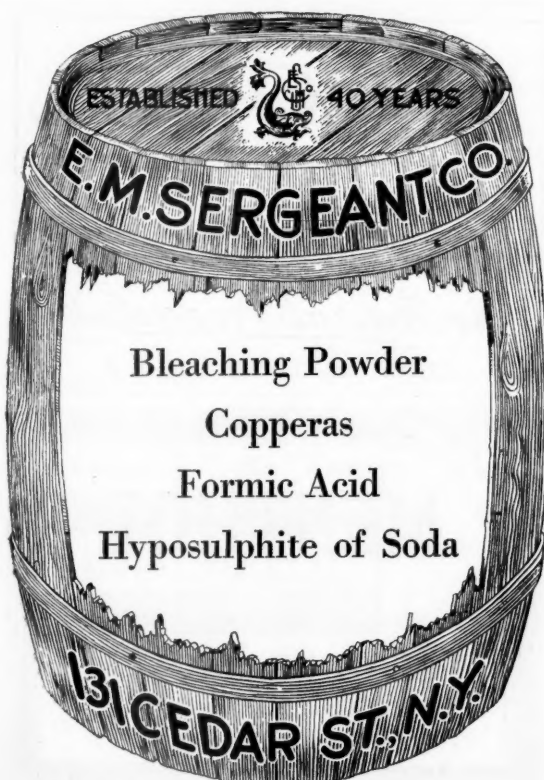
Perdan Berries .... D	.27	.30
QUEBRACHO, 35% liquid tka. .... D	.03	.03%
450 lb bbls. .... D	.03%	.04
35% bleaching, 450 lb bbls. .... D	.04%	.05%
Solid 65% 100 lb bales. .... D	.04	.04%
Clarified bales .... D	.04%	.04%
Quercitron, 51° 450 lb bbls. .... D	.07%	.08
Powdered, 100 lb boxes. .... D	.09	.13
Spruce, 25% liquid tanks wks. .... D	.01	.01%
Powd. 50% 100 lb bags wks. .... D	.02	.02%
Sumac, Liquid 450 lb bbls. .... D	.07	.08
Stainless, 600 lb bbls. .... D	.11	.12

## DYERS' SUNDRIES

Albumen, technical, egg 200 lb cs. D	...	1.25
Blood, 100 lb drs. .... D	.40	.45
Egg Yolk, Spray, 150 lb cs. .... D	.45	.65
British Gum, 140 lb bags c/l 100 lb	4.59	4.74
Bags, 1c/l ..... D	4.89	4.95
Dextrin, corn 140 lb bags c/l 100 lb	...	4.24
Bags, 1c/l ..... D	...	4.34
Yellow, bags c/l ..... D	...	4.29
Bags, 1c/l ..... D	...	4.39
Potato 220 lb bags c/l ..... D	...	.07%
Bags, 1c/l ..... D	...	.08%
Yellow, 220 lb bags. .... D	...	.08
Tapioca, 200 lb bags, 1c/l. .... D	...	.09%
Prussian blue .... D	.60	.62
Sago Flour, 150 lb bags. .... D	.04%	.05
STARCH, powd. 140 lb bags c/l 100 lb	...	3.77
Bags, 1c/l ..... D	...	3.81
Pearl, 140 lb bags c/l ..... D	...	3.67
Bags, 1c/l ..... D	...	3.77
Potato, domestic, 200 lb bags. .... D	.05%	.06
Imported, bags duty paid. .... D	.06	.06%
Tapioca Flour, high grade bags. .... D	.06	.06%
Medium grade bags .... D	.04%	.05
Low grade, bags .... D	.03%	.04
Turkey Red Oil, bbls. .... D	.11	.12
Yolk Oil, bbls. .... D	...	.35

## Crude Drugs

Accroides Gum, yel. .... D	.16	.18
ACONITE Leaves, bales. .... D	.10	.12
Root, USP, bags .... D	.39	.41
Agar Agar, 1, 200 lb bales. .... D	1.50	1.53
No. 2, bales .... D	...	1.35
No. 3, bales .... D	...	1.25
Agaric, white, cases .... D	2.45	2.50
Almonds, bitter bags bxs. .... D	.45	.50
Sweet, bags .... D	.57	.60
Meal, tins, boxes .... D	.24	.27
Aletris Root, bags .... D	.48	.50
Alkanet Root, bags .... D	.06	.06%
Aloes, Barbadoes, 120 lb bbls. .... D	.65	.70
Cape, 400 lb cases .... D	.08	.08%
Curacao, 100 lb cases .... D	.08	.08%
Socotrine, whole 100 lb cs. .... D	.30	.32
Althea Root, cut cases. .... D	.22	.24
Whole bags .... D	.08	.09
Ambergris, black boxes .... D	8.00	10.00
Grey, boxes .... D	...	28.00
Ammoniac, tears, bags .... D	.68	.73
Angelica Root, dom. bags. .... D	.12	.13
Angostura Bark, bags .... D	...	...
Anise, Levant bags .... D	.15	.16
Russian, bags .... D	.13	.14
Star, cases .... D	.11%	.12
Spanish, bags .... D	.14%	.15
Annatto Seed, 200 lb bags. .... D	.24	.25
ARABIC GUM, .... D	...	...
White, No. 1, 200 lb bags. .... D	.26	.27
Seconds, 250 lb bags. .... D	.24	.25
Sorts, amber, 300 lb bags, bbls. .... D	.11%	.12
Powd., USP, 300 lb bbls. .... D	.15	.18%
Arca Nuts, 150 lb bags. .... D	.09	.10
Powd., 200 lb bbls. .... D	.13	.15
Arnica Flowers, bales .... D	.08%	.09
Root, bags .... D	.25	.30
Arrowroot, Amer., powd. bbls. .... D	.10%	.11
St. Vincent, powd. bbls. .... D	.13	.14
Asafoetida, USP, 250 lb cases. .... D	.18	.20
Powd. 50 lb bxs. .... D	.85	.37
BALM GILEAD BUDS, bags. .... D	.43	.48
Balmory Herts, bales .... D	...	.14

VENETO BLACK B EXTRA  
(Pluto Black)

A direct cotton Black—FAST TO ACID—good to light, used for unions, mixed goods, etc. Suitable for grays.

## ETHONIC FAST RUBINE R, 3G GW

Similar to pre-war Alizarine Rubinsols. These colors are recommended for dyeing piece goods and carpet yarn, where they give shades of good fastness to light.

## AMIDINE GREEN M, GX, B SUPRA

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"STANDARDS EVERYWHERE"

## Crude Drugs

BALSAMS								
Copaiba, Para, 80 lb cs.....	lb	.27 : .29	Canella Alba Bark, bales.....	lb	.50 : .52	Cinnamon, Ceylon, bales.....	lb	.26 1/4 : .27
South American, 80 lb ..cs.	lb	.35 : .37	Camabais, true imp. bags.....	lb	.. : ..	Broken, bales.....	lb	.16 : .20
Flr Canada, cans.....	gal	12.50	American (no assay) bales.....	lb	.30 : .40	Civet, Abyssin horns.....	oz	2.75 : 3.75
Oregon, bbls., cans.....	gal	1.10 : 1.25	USP.....	lb	.70 : .85	Clover Tops, bags.....	lb	.19 : .21
Peru, 120 lb cases.....	lb	1.80 : 1.90	Cantharides, Chinese cases.....	lb	.90 : .95	Cloves, Zanzibar, 135 lb bales.....	lb	.27 1/2 : .28
Tolu, 90 lb cases.....	lb	1.75 : 1.85	Powdered, boxes.....	lb	1.05 : 1.10	Cloves, Ambon, bales.....	lb	.31 1/2 : .32
Bamboo Brier Root, bags.....	lb	.05 1/4 : .08	Cantharides, Russian, cases.....	lb	.90 : .95	Peanut, bales.....	lb	.40 : .42
Barberry Bark, tree bales.....	lb	.12 : .13	Powdered, boxes.....	lb	1.00 : 1.10	Cochineal, USP, boxes.....	lb	.34 : .35
Root, bags.....	lb	.. : ..	Caraway Seed, African, bags.....	lb	.15 : .16	Coca Leaves, Huanuco bags.....	lb	.. : ..
Bayberry Bark, bales.....	lb	.10 : .12	Dutch, 110 lb bags.....	lb	.15 1/4 : .16 1/4	Truxillo, bags.....	lb	.. : .50
Wax, bbls.....	lb	.21 : .22	Cardamom, bleached, cases.....	lb	1.65 : 1.80	Cohosh Root, Black bags.....	lb	.09 : .11
Belladonna Leaves, bales.....	lb	.23 : .25	Decorated, cases.....	lb	1.60 : 1.65	Blue, bags.....	lb	.11 1/4 : .12 1/4
Root, bags.....	lb	.11 : .12	Green, grinding, bags.....	lb	1.00 : 1.10	Colchicum Root, bags.....	lb	.07 : .08
Bees Wax, white cases.....	lb	.40 : .42	Carnauba Wax, Flor. bags.....	lb	.44 : .45	Seed, bags.....	lb	.08 1/4 : .09
Yellow, refined, cases.....	lb	.22 : .24	No. 1 N Country bags.....	lb	.36 : .38	Colocynth, apples, cases, bales.....	lb	.. : ..
Crude, bags.....	lb	.23 : .25	No. 2 N Country bags.....	lb	.29 : .30	Pulp, USP, bales.....	lb	.28 : .30
Benzoin Gum, Siam, boxes.....	lb	1.80 : 1.85	No. 3 Fatty Gray, bags.....	lb	.20 : .22	Colombo Root, whole bags.....	lb	.02 1/4 : .03
Sumatra, 80 lb boxes.....	lb	.22 : .25	No. 3 Chalky, bags.....	lb	.20 : .22	Coltsfoot Leaves, bags.....	lb	.05 : .06
Berberis Aquifolium Root, bags.....	lb	.13 : .14	Cascara Amarga, 150 lb bales.....	lb	1.25 : 1.35	Comfrey Root, bags.....	lb	.13 : .14
Beth Root, bags.....	lb	.25 : .30	Cascara Sagrada, bales, 1920-22	lb	.. : ..	Condurango Bark, bales.....	lb	.40 : .43
Bitter Root, 100 lb bags.....	lb	.40 : .42	bark.....	lb	.27 : .29	Conium Seeds, bags.....	lb	.12 : .14
Blackhaw Bark, root, bales.....	lb	.37 : .39	1923 bark.....	lb	.25 : .27	Copaiba Balsam Para, see Balsams	lb	.. : ..
Tree, bales.....	lb	.17 : .19	1924 bark.....	lb	.18 : .19	Copal Gum.....	lb	.12 : .13 1/4
Black Indian Root, 100 lb bags.....	lb	.40 : .42	Cascarella Bark, quills bales.....	lb	.. : ..	Coriander Seed, Bombay bags.....	lb	.06 1/4 : .07
Blod Root, bags.....	lb	.14 : .15	Siftings, bbls.....	lb	.. : ..	Morocco, bags.....	lb	.07 : .07 1/4
Blueflag Root, bags.....	lb	.30 : .32	Cassia Buck, 66 lb cases.....	lb	.12 : .12 1/4	Bleached, bags.....	lb	.10 1/4 : .11
Boldo Leaves, bales.....	lb	.20 : .21	China, Whole Rolls, cases.....	lb	.10 : .10 1/4	Corn Silk, bales.....	lb	.04 1/4 : .05 1/4
Bonaset Herb, bales.....	lb	.07 : .08	Salgon, assort. bales.....	lb	.22 1/4 : .24	Cotton Root Bark, bales.....	lb	.12 : .14
Borage Flowers, bales.....	lb	.16 : .20	Cassia Fistula, baskets.....	lb	.09 : .10	Cowhage, oz. tins.....	oz	.. : .50
Tryonia Root, bags.....	lb	.09 : .10	Castor Beans, bags.....	lb	.03 : .03 1/4	Cramp Bark, so-called bales.....	lb	.07 : .08
BUCHU LEAVES, short, 250 lb	lb	.. : ..	Castoreum, 1 lb bot.....	lb	4.00 : 4.50	True, bags.....	lb	.30 : .32
bales.....	lb	.76 : .85	Catechu Gum, bags.....	lb	.09 : .10	Cranesbill Root, bags.....	lb	.16 : .18
Less, bales.....	lb	.82 : .91	Catnip Herb, bales.....	lb	.23 : .29	CUBEB BERRIES, XX bags.....	lb	.65 : .68
Long, bales.....	lb	.. : ..	Celery Seed, 220 lb bags.....	lb	.32 : .33	Powdered, boxes.....	lb	.70 : .73
Buckhorn Bark, bags.....	lb	.05 1/4 : .06	Ceratin Wax, white bags.....	lb	.10 1/4 : .11	Culvers Root, bags.....	lb	.25 : .27
Burdock Root, bags.....	lb	.13 : .15	Yellow, 200 lb bags.....	lb	.09 : .10	Cumlin Seed, Levant bags.....	lb	.22 : .23
Burgundy Pitch, dom., 110 lb stands	lb	.. : ..	CHAMOMILE FLOWERS, Roman	lb	.. : ..	Morocco, bags.....	lb	.24 1/4 : .25
Cross for net.....	lb	.. : .15	bales.....	lb	.63 : .68	Cuttlefish Bone, Trieste, straps.....	lb	.13 : .14
Calabar Beans, bags.....	lb	.12 : .14	Hung, cases bales.....	lb	.07 : .07 1/4	Jewellers, large, straps.....	lb	.. : .50
Callamus Root, bleached cases.....	lb	.33 : .35	Charcoal Willow, powd. bbls.....	lb	.06 : .06 1/4	Small, straps.....	lb	.. : .35
Unbleached, bags.....	lb	.06 : .07	Wood, powd. bbls.....	lb	.04 : .05	French straps.....	lb	.13 1/4 : .14
Calendula Petals, imp. bales.....	lb	.22 : .23	Chestnut Bark, bags.....	lb	.07 : .08	Powdered, boxes.....	lb	.13 : .14
Calisaya Bark, bales, powd.....	lb	.25 : .26	Herb, bales.....	lb	.06 : .06 1/4	Broken, boxes.....	lb	.. : .07
Camphor, see Chemicals	lb	.. : ..	Chicle Gum, bags.....	lb	.60 : .65	Damar Gum, 136 lb cases.....	lb	.24 : .25
Canary Seed, Morocco bags.....	lb	.07 1/4 : .08 1/4	Chiretta, bales.....	lb	.10 : .12	Damiana Leaves, bales.....	lb	.13 : .15
South American, bags.....	lb	.07 : .07 1/4	Cinchona Bark, red quills bales.....	lb	.48 : .50	Dandelion Root, imp., bags.....	lb	.35 : .37
Candella Wax, bags.....	lb	.23 : .25	Broken, bales.....	lb	.21 : .23	Deer Tongue Leaves, bales.....	lb	.13 1/4 : .14 1/4

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# Crude Drugs

Digitals Leaves, bales.....lb	.07	: .08	Grindelia Robusta Herb, bales...lb	.07½	: .08½	LADY SLIPPER ROOT, bags....lb	.50	: .55
Dill Seed, bags.....lb	.06	: .07	Guaiac Gum, 80 lb cases.....lb	.35	: .38	Larkspur Seed, bags.....lb	1.05	: 1.10
Dogwood Bark, Jamaica bags....lb	.10	: .11	Guarana, tins, cases.....lb	.60	: .65	Laurel Leaves, bales.....lb	.04	: .05
American, bales.....lb	.07	: .08	GUM, sec Arabic Gum, etc.			Lavender Flowers, ordinary....lb	.22	: .26
Doggrass Root, USP, cut bags....lb	.10	: .11	HELLEBORE ROOT,			Selected.....lb	.30	: .40
Dragons Blood, mass cases....lb	.65	: .67	Black, bbls.....lb	.08	: .10	Leeches, tubs.....Per 100	4.00	: 4.50
Reeds, boxes.....lb	.85	: .90	Powdered.....lb	.15	: .17	Lemon Peel, bags.....lb	.08	: .09
ECHINACEA ROOT, bags.....lb	.30	: .32	White, Powd., 250 lb bbls...lb	.11	: .12	Licorice Root, Russian, whole...lb	.07	: .07½
Elecampane Root, bags.....lb	.09	: .10	Helonias Root, (unicorn false)			Spanish, natural bales.....lb	.08½	: .09
Elder Flowers, bags.....lb	.12	: .15	bags.....lb	.70	: .73	Powdered, bbls.....lb	.09	: .09½
Elemi Gum, 89 lb cases.....lb	.10	: .11	Hemp Seed, Manchurian bags...lb	.03½	: .04	Selected, 2 & 5 lb bundles...lb	.14	: .17
Elm Bark, select 5 lb bundles cases lb	.26	: .27	Chilian, bags.....lb	.03½	: .04	Cuttings, 125 lb bags.....lb	.07	: .07½
Grinding, bags.....lb	.16	: .18	Henbane Leaves, bales, USP....lb	.28	: .32	Greek, 150 lb bales.....lb	.03	: .03½
Powdered, bbls.....lb	.23	: .25	No assay.....lb	.26	: .27	Life Everlasting Herbs, bales...lb	.05	: .06
ERGOT, 150-200 lb bags.....lb	.30	: .32	Henna Leaves, bales.....lb	.09½	: .10	Lime Juice, clarified bbls.....gal	.60	: .65
Eucalyptus Leaves, bales.....lb	.05	: .06	Powdered.....lb	.12	: .13	Linden Flowers, with leaves, bales lb	.11	: .12
Euphorbia Pilulifera Herb, bags...lb	.11	: .13	Honey, Calif., 120 lb cases....lb	.12	: .13	Without Leaves, bales.....lb	.18	: .19
Euphorbia Gum, cases.....lb	.25	: .27	Hops, N. Y. prime bales.....lb	.28	: .30	Liverwort Leaves, bales.....lb	.19	: .20
Powdered, boxes.....lb	.40	: .42	Pacific Coast prime bales....lb	.25	: .27	Lobelia Herb, bales.....lb	.33	: .36
Fennel Seed, French, bags.....lb	.10½	: .11	Horehound Herb, bales.....lb	.10	: .11	Lobelia Seed, bags.....lb	.62	: .65
German, bags.....lb	.16½	: .18	Horsetail Rush, bags.....lb	...	: .15	Lovage Root, Imported, bags....lb	.18	: .20
Indian, bags.....lb	.08	: .09	India Gum, sec Karaya			Lupulin, boxes.....lb	1.15	: 1.20
Flax Seed, whole 180 lb bbls....ea	13.00	: 13.50	INSECT FLOWERS, open whole			Domestic.....lb	1.15	: 1.20
Ground, 180 lb bbls.....lb	.07½	: .08	bales.....lb	.50	: .52	Lycopodium, 88 lb ea.....lb	.29	: .31
Foenugreek Seed, 200 lb bags....lb	.05	: .05½	Closed whole, bales.....lb	.48	: .50	MACE, Siam, No. 1 cases.....lb	.63	: .64
Fish Berries, 100-125 lb bags....lb	.02½	: .03	Powdered, pure 200 lb bbls...lb	.62	: .65	Banda, No. 1 cases.....lb	.65	: .67
Fringe Tree Bark, bags.....lb	.20	: .21	Flowers and stems, 50 p. c.			Batavia, No. 2 cases.....lb	.60	: .61
GALANGAL ROOT, bags.....lb	.07½	: .08	200 lb bbls.....lb	.39	: .40	West Indian, cases.....lb	.58	: .60
Galbanum Gum, cases.....lb	.80	: .95	Ipecac Root, Carthagena, bags....lb	1.80	: 1.90	Malva Flowers, blue bales.....lb	.38	: .40
Gambier Gum, bags.....lb	.11	: .11½	Powdered, 220 lb bbls. boxes lb	2.10	: 2.20	Black, bales.....lb	.55	: .60
Gamboge Gum, 160 lb cases....lb	.78	: .80	Rio Whole, bags.....lb	1.80	: 1.90	Manna, large flake cases.....lb	.95	: 1.00
Powdered, cases.....lb	.87	: .90	Powdered, 200 lb bbls. bxs. lb	2.10	: 2.20	Small flake, cases.....lb	.52	: .55
Gelsemium Root, bags.....lb	.11	: .11½	Isinglass, American, 130 lb cs...lb	.75	: .80	Sorts, cases.....lb	...	: .30
Gentian Root, bags.....lb	.09½	: .09¾	Russian (Beluga) bxs. ctms...lb	4.00	: 4.50	Mandrake Root, bags.....lb	.16	: .18
Ginger, African, bags.....lb	.17	: .17½	JABORANDI LEAVES, bales.....lb	.10	: .10½	Mastic Gum, 120 lb cans.....lb	.50	: .55
Jamaica, grinding, bags, bbls. lb	.29	: .33	Jalap Root, whole, 150 lb bags...lb	.29	: .31	Mesereon Bark, bags.....lb	.11	: .12
Japan, bags.....lb	.16½	: .17	Powdered, USP, 250 lb bbls...lb	.34	: .36	Matteo Leaves, bales.....lb	.16	: .18
Cochin, ABC & Lemon, bags...lb	.19	: .20	Japa Wax, white bags.....lb	.20	: .23	Marjoram Leaves, German bales...lb	.16	: .19
Ginseng Root, cultivated, bags...lb	8.00	: 10.00	Job's Tears, white bags.....lb	.10	: .12	French, bales.....lb	.14	: .15
Northwestern Wild, bags.....lb	12.00	: 14.00	Juniper Berries, 125 lb bags....lb	.03	: .03½	Millet Seed, dom. yellow bags...lb	.03	: .04
Southern Wild, bags.....lb	9.00	: 11.00	KANALA, boxes.....lb	.12	: .18	Montan Wax, crude bags.....lb	.05½	: .06
Golden Seal Root, bags.....lb	3.60	: 3.70	Kava Kava Root, bags.....lb	.13½	: .15	Bleached.....lb	...	: .
Powdered, boxes.....lb	3.85	: 3.95	Kino Gum, black cases.....lb	.50	: .55	Moss, Iceland bales.....lb	.08	: .08½
Grains of Paradise, bags.....lb	.10	: .11	Kola Nuts, 150 lb bags.....lb	.04½	: .05	Irish, bleached, bales.....lb	.10½	: .11
			Koussou Flowers, bags.....lb	2.00	: 2.50	Selected, bales.....lb	.09	: .09½
						Mullein Flowers, tins.....lb	1.00	: 1.10

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Musk, pods, Carbadine, tins.....	16.00	: 17.00	Fatchouli Leaves, bales.....	.18	: .18	Rosemary Flowers, cases bales....	.25	: .25
Toouquin.....	22.00	: 25.00	Pepproyal Herb, bales.....	.08	: .12	Rose Petals, pale.....	.22	: .25
Grain Cab.....	25.00	: 26.00	Pepper, black Sing. bags.....	.11	: .12	Red.....	.65	: .70
Toouquin.....	35.00	: 38.00	White, bags.....	.15%	: .16	Rue Herb, bales.....	.18	: .22
Synthetic, see Chemicals.....			Peppers, red Mombasa, bags.....	.08%	: .09	SABADILLA SEED, bags.....	.13	: .14
Musk Root, Russian bags.....		4.25	Cherries, bags.....	.12	: .14	Powder, bbls.....	.15	: .16
Mustard Seed, Bari brown bags..	.11%	: .12%	Bombay, bags.....	.10	: .11	Saffron Flowers, Amer. bales....	.78	: .82
Bombay, brown.....	.10%	: .11	Japan, bags.....	.22	: .24	Valencia, 1 lb. cans.....	38.00	: 39.00
California, brown.....	.11	: .11%	Peppermint Leaves, imp. bales..		.38	Sage, Dalmatian bales.....	.04	: .05
Yellow.....		.11%	Cuts, bales.....	.22	: .24	Greek, bales.....	.04%	: .05%
Chinese yellow.....	.04	: .04%	Domestic leaf.....	.32	: .34	Spanish, bales.....	.08	: .08%
English, yellow.....	.09	: .09%	Peru Balsam, see Balsams.....			Sandalwood, chips bags.....	.17	: .18
Dutch, yellow.....	.07%	: .08	Pichi Leaves, bags.....	.40	: .45	Ground, bags.....	.21	: .22
Danish, yellow.....	.08%	: .09	Pimento, select bags.....	.05%	: .06	Sandarac Gum, 300 lb bbls....	.29	: .31
Myrrh Gum, select 200 lb cs.....	.30	: .33	Pink Root, true bags.....	.95	: 1.05	Sarsaparilla Root Honduras, bales	.60	: .62
Sorts, cases.....	.25	: .27	Pitch, Burgundy, see Burgundy Pitch			Mexican, bales.....	.19	: .20
NUTGALLS, Chinese, bags.....	.17	: .18	Pleurisy Root, bags.....		.22	Sassafras Bark, ordinary bales....	.15	: .17
Aleppy, bags.....	.14	: .15	Plantain Leaves, bales.....		.15	Select, bales.....	.29	: .31
Nutmegs, 110s cases.....	.40	: .41	Poke Berries, bags.....		.15	Savory Leaves, bales.....	.06%	: .07%
75s, 80s cases.....	.44	: .46	Poke Root, bags.....	.08	: .09	Saw Palmetto Berries, bags.....	.09	: .10
Nux Vomica Buttons, bags.....	.04%	: .05%	Pomegranate Bark, of root bags..		.30	Scammony Resin, boxes.....	1.85	: 1.40
Powdereds, 200 lb bbls.....	.08	: .09	Of Fruit, bags.....		.30	Scammony Root, bags.....	.06%	: .07
OAK BARK, red bags.....	.05	: .06	Of Tree.....		.30	Senega Root, bags.....	.60	: .62
White, bags.....	.06	: .07	Poppy Flowers, red bags.....	.25	: .28	SENNA, Alex. 150 lb cases.....	.22	: .24
Gilbanum Gum, sift 280 lb cases..	.08%	: .09	Poppy Seed, Dutch, bags.....	.06%	: .07	Half Leaf, 350 lb bales.....	.14	: .16
Tears, 280 lb cases.....	.11	: .12	German, bags.....	.06	: .07	Sittings, 400 lb bales.....	.10	: .11
No. 1, all white 280 lb cases.....	.22	: .23	Turkish, bags.....	.06	: .08	Powdered, 200 lb bbls.....	.12	: .14
Opium, gum, USP, cases.....	9.00	: 10.00	Blue Indian, bags.....	.08	: .08%	Tinnerelly, job, 350 lb bbls....	.11	: .14
Granular, cases.....	10.00	: 11.00	White Indian, bags.....	.07	: .07%	Grinding, 350 lb bales.....	.05	: .06
Powdered, USP, cans.....	10.00	: 11.00	Prickly Ash Bark, Southern, bags..	.32	: .34	Powdered, 200 lb bbls.....	.08	: .09
Orange Flowers, cases.....	.50	: 1.00	Northern, bags.....			Pock, 350 lb bales.....	.14	: .16
Orange Peel, bitter, bags.....	.07%	: .07%	Prickly Ash Berries, bags.....	.14	: .16	Serpentaria Root, bags.....	.85	: .87
Sweet, bags.....	.08%	: .09%	Prince's Pine, bales.....	.25	: .30	Rheliac, D.C., bags.....	.74	: .75
ORRIS ROOT Florentine bold bags..	.07	: .08	Pulsatilla Herb, bags.....	.16	: .18	V.S.O., bags.....	.74	: .75
Powdered, 200 lb bbls.....	.09	: .10	Pumpkin Seed, bags.....	.14	: .16	Diamond I, bags.....	.73	: .74
Vernon, bags.....	.05	: .06	QUASSIA CHIPS, bags.....	.07%	: .08	Superior, Orange, bags.....	.58	: .59
Powdered, 200 lb bbls.....	.07%	: .08	Queen of the Meadow Herb, bags..		.06	Pine, bags.....	.58	: .59
Fingers, cases.....	.55	: .60	Quince Seed, bags.....	.75	: 1.00	T.N., bags.....	.54	: .55
Ozokerite Wax, brown hard bags..	.22	: .24	RAPE SEED, South Amer. bags..	.04	: .04%	Garnet, A. C.....	.53	: .54
Green, hard bags.....	.27	: .28	Dutch, bags.....	.05%	: .06	Button, bags.....	.69	: .70
Refined, yellow bags.....			Japanese, small, bags.....	.05%	: .06	Bleached, ground, bbls.....	.56	: .57
PAPRIKA, bags.....	.20	: .27%	Raspberries, dried boxes.....	.56	: .60	Bone dry, bbls.....	.65	: .66
Hungarian.....	.26	: .28	Red Saunders.....	.17	: .19	Simaruba Bark, bales.....	.07	: .08
Pareira Brava Root, bags.....	.12	: .14	Rhatany Root, bags.....	.10	: .11	Sideritis Herb, cut bags.....	.15	: .18
Parley Seed, bags.....	.09	: .10	RHUBARB, Root, H. D., cases..	.29	: .31	Skullcap Leaves, Eastern, bales..	.70	: .75
			Powdered, 200 lb bbls.....	.34	: .36	Western, bales.....	.42	: .44
			Rosemary Leaves, bales.....	.04%	: .05	Sloe Berries, bags.....	.03	: .04

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# Crude Drugs

Snake Root, Canada natural bags..lb	.45	: .50
Stripped, bags .....	.50	: .65
<b>SOAP BARK, whole, 150-200 lb</b>		
bales .....	.08	: .09
Cut, 125-175 lb bags .....	.09 1/2	: .10
Crushed, 200 lb bbls .....	.11	: .12
Powdered, 200 lb bbls .....	.12	: .13
Spearment Leaves, American bales..lb	.15	: .24
Spermaceti, blocks cakes cases.....lb	.38	: .42
Spikenard Root, bags .....	.25	: .27
Spruce Gum, boxes .....	1.00	: 1.50
Squaw Vine, bales .....	.18	: .20
Squilla, white .....	.04 1/2	: .05
Powdered, bulk .....	.35	: .40
Stavesacre Seed, bags .....	.42	: .45
Sticklac, Siam, 350 lb bales.....lb	.39	: .40
Stilligia Root, bags .....	.11 1/2	: .12
Stone Root, bags .....	.09	: .10
Storax, liquid artif. ....lb	.70	: .75
Gen. USP .....	.90	: 1.00
St. Ignatius Beans, bags .....	.12	: .13
St. John's Bread, bags .....	.03	: .05
Stramonium Leaves, bales.....lb	.06 1/2	: .07 1/2
Stramonium Seed, bags .....	.12	: .13
Strophanthus Seed, Hispidus... lb	.35	: .40
Kombe, bags .....	.30	: .35
Sunflower Seed, domestic bags.....lb	.05 1/2	: .06
South American, bags .....	.05	: .05 1/2
<b>TAGALDER BARK, bags .....</b>	.05	: .06
Tamarinds, bbls. ....	.05 1/2	: .06
Kegs .....	8.50	
Tansy Herb, bales .....	.18	: .19
Tar, Barbadoes, 50 gal. bbls.....gal	1.40	: 1.50
Thus Gum, 280 lb bbls .....	.07	: .08
Thyme, Spanish bales .....	.05 1/2	: .06 1/2
French, bales .....	.07 1/2	: .08
Tilia, See Linden		
Tolu Balsam, see Balsams		
Tonga Bark, bags .....	.27	: .29
Tonka Beans, Angostura, cases.....lb	2.15	: 2.25
Para, cases .....	.75	: .80
Surinam, cases .....	...	: ...

<b>Tragacanth Gum, No. 1, ribbon</b>		
180 lb ca. ....lb	1.20	: 1.25
No. 2 to No. 6, cases.....lb	.80	: 1.20
Powdered, 50 lb boxes.....lb	.85	: .90
Turkish, cases .....	.70	: .85
Turmeric Root, Madras bags.....lb	...	: ...
Aleppy, bags .....	.10 1/2	: .10 3/4
Powdered .....	.12	: .13
China, bags .....	.08 1/2	: .09
Turpentine, Venice, true 80 lb ca.....lb	.15	: .16
Artificial, 80 lb cases.....lb	.13	: .15
Spirits, see Naval Stores		
<b>UNICORN ROOT, false, see Heloni</b>		
True, see Aletris		
Uva Ursi Leaves, bales.....lb	.04 1/2	: .05
<b>VALERIAN ROOT, Belgian bags.....lb</b>	.09 1/2	: .10 1/2
Vanilla Beans Mex. whole cases..lb	12.00	: 14.00
Cuts, cases .....	11.00	: 11.50
Bowdon, cases .....	11.50	: 12.00
South American, cases.....lb	...	: ...
Tahiti, yellow label cases.....lb	7.00	: 7.50
Green Label, cases .....	...	: ...
Vetivert Root, 100 lb bags.....lb	.25	: .26
Violet Flowers, bags .....	.70	: .75
<b>WAHOO BARK, of root bags.....lb</b>	1.00	: 1.10
Of Tree, bags .....	.40	: .42
White Pine Bark, rosed, bags.....lb	.07 1/2	: .08
White Poplar Bark, bags .....	.06	: .07
Wild Cherry Bark, thin green		
Rosed, bales .....	.10	: .12
Thick Rosed, bales .....	.08	: .09
Thin Natural, bales .....	.09	: .09 1/2
Thick Natural, bales .....	.06	: .07
Willow, bark bags .....	...	: ...
White, bags .....	...	: ...
Witch Hazel Bark, bgs.....lb	.07	: .08
Witch Hazel Leaves, bales.....lb	.07 1/2	: .08
Worm Seed, American bags.....lb	.08 1/2	: .09
Levant bags .....	5.25	: 5.50
Wormwood Herb, imported bales..lb	...	: ...
Yacca Gum, red .....	.04	: .04 1/2
Ground .....	.05 1/2	: .06 1/2
<b>YELLOW DOCK ROOT, bags.....lb</b>	.12	: .14
Yellow Parilla Root, bags.....lb	.16	: .17
Yerba Santa, bags .....	.09 1/2	: .10
Zedoary Root, bags .....	.11	: .12

# Essential Oils

Almond Bitter USP 5 lb bot.....lb	3.25	: 3.50
Bitter ff PA 5 lb bots.....lb	3.25	: 3.50
Sweet, 56 lb cans .....	.41	: .43
Peach Kernel, 55 lb tins.....lb	.24	: .25
Apricot, see Peach Kernel		
Amber, crude 25 lb tins.....lb	.70	: .75
Rectified, 25 lb tins.....lb	.90	: .95
Angelica Root, 1 lb bot.....lb	32.00	: 36.00
<b>ANISE, Tech., 66 lb case.....lb</b>	.50	: .52
USP, 50 lb tins .....	.52	: .54
Bay, 25 lb tins .....	2.25	: 2.35
Bergamot, 25 lb coppers .....	3.50	: 3.70
Artificial, 25 lb cans.....lb	2.20	: 2.35
Birch Tar, rect. 5 lb bot.....lb	1.00	: 1.10
Crude, 50 lb tins.....lb	.30	: .50
Bols de Rose, 25 lb tins.....lb	4.25	: 4.50
Cajuput, native, 50 lb tins.....lb	.77 1/2	: .80
Calamus, 5 lb bot.....lb	4.20	: 4.65
Camphor, heavy, 1000 lb drums..lb	.14 1/2	: .15
Japanese, white, 72 lb cases.....lb	.13	: .14
White, 1000 lb drums.....lb	.12 1/2	: .14
Cananga, native 25 lb tins.....lb	2.00	: 2.25
Rectified, 25 lb tins .....	2.75	: 3.00
Caraway, USP .....	5.25	: 5.75
Cardamom, USP, 1 lb bot.....lb	28.00	: 30.00
Carvol, 5 lb bot.....lb	14.00	: 15.00
<b>CASSIA, 80-85 p.c. 400 lb drums..lb</b>	1.55	: 1.65
Redistilled, USP, 50 lb cans.....lb	2.00	: 2.10
Cedar Leaf, 50 lb tins.....lb	.95	: 1.00
Cedar Wood, light 1000 lb drums..lb	.44	: .46
Celery, 1 lb bot.....lb	10.00	: 11.00
Chaulmoogra, 80 lb cases.....lb	.85	: .90
Cinnamon, Ceylon, 1 lb bot.....lb	11.00	: 12.50
Leaf, 5 lb bot.....lb	1.45	: 1.60
<b>CITRONELLA, Ceylon,</b>		
1000 lb drums .....	.80	: .90
50 lb tins .....	.83	: .93
Java, 400 lb drums .....	...	: ...
50 lb tins .....	1.30	: 1.35
Cloves, USP, 50 lb cans.....lb	1.75	: 1.85
5 lb bot.....lb	1.85	: 1.95

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## Essential Oils

Copaiba, USP, 50 lb tins.....	lb	.40	: .42
Coriander, USP, 1 lb bot.....	lb	11.50	: 12.00
Citron, USP, 25 lb tins.....	lb	1.00	: 1.10
Cubeba, USP, 5 lb bot.....	lb	5.00	: 5.25
Cumina, 1 lb bot.....	lb	12.00	: 12.50
Dill, 1 lb bot.....	lb	4.25	: 4.50
Erigeron, 20 lb tins.....	lb	1.30	: 1.40
<b>EUCALYPTUS, Austl. USP</b>			
50 lb c.....	lb	.55	: .58
500 lb drums.....	lb	...	: .53
Fennel, USP, 25 lb tins.....	lb	.90	: 1.10
Geranium, Algerian, 25 lb tins..	lb	7.75	: 8.50
Bourbon, 25 lb tins.....	lb	6.75	: 8.50
Turkish, 25 lb tins.....	lb	4.25	: 4.50
Ginger, 1 lb bot.....	lb	9.00	: 10.00
Jingergum, 25 lb tins.....	lb	2.75	: 3.00
Hemlock, 50 lb cans.....	lb	.90	: 1.00
Juniper Berries, USP, 25 lb tins..	lb	1.25	: 1.30
Wood, 50 lb tins.....	lb	.50	: .60
Lavender, USP, 25 lb tins.....	lb	4.50	: 6.00
Spice, Spanish, 50 lb cans.....	lb	.85	: 1.00
<b>LEMN, Ital. USP, 25 lb tins.....</b>			
American, USP, 25 lb tins.....	lb	.75	: .80
Limoness, native, 50 lb cans.....	lb	.75	: .85
Limes, express, 25 lb tins.....	lb	2.00	: 2.10
Distilled, 25 lb tins.....	lb	1.05	: 1.15
Linaloe, Mex. 80 lb cases.....	lb	3.50	: 3.75
Mace, distilled, 50 lb tins.....	lb	1.25	: 1.35
<b>Mirbane, ref., see Ar. Chemicals</b>			
Mustard, USP, 1 lb bot.....	lb	...	: 14.00
Artif., USP, 1 lb bot.....	lb	3.00	: 3.15
Neroli, Bigarade, 1/4 & 1 lb bot....	lb	40.00	: 60.00
Petale, 1 lb bot.....	lb	90.00	: 120.00
Artificial, 1 lb bot.....	lb	10.00	: 25.00
Nutmeg, USP, 25 lb tins.....	lb	1.25	: 1.35
Orange, bitter, 25 lb tins.....	lb	2.70	: 3.00
Sweet, W. Ind., 25 lb tins.....	lb	2.60	: 2.70
Italian, 25 lb cop.....	lb	2.85	: 3.25
Arabic, 25 lb tins.....	lb	3.00	: 3.10
Distilled, 25 lb tin.....	lb	1.50	: 1.75
Spanish, 25 lb tins.....	lb	2.75	: 3.00
Origanum, 50 lb cans tech.....	lb	.30	: .35
Parsley, 1 lb bot.....	lb	3.50	: 4.00
Patchouli, 5 lb bot.....	lb	4.75	: 5.00
Pennyroyal, dom. 25 lb tins.....	lb	2.00	: 2.25
Imported, 25 lb tins.....	lb	1.80	: 1.95
PEPPERMINT, nat. 60 lb cases.....	lb	4.00	: 4.15
Redist., USP, 60 lb cases.....	lb	4.25	: 4.50
Petit Grain, S. Am. 25 lb tins..	lb	1.85	: 2.00
French, 1 lb bot.....	lb	7.00	: 8.00
Italian, 25 lb tins.....	lb	2.25	: 2.35

Pimento, 25 lb tins.....	lb	2.00	: 2.10
Pinus Sylvestris, 25 lb tins.....	lb	...	: 1.40
Pumilio, USP, 25 lb tins.....	lb	...	: 2.25
Rose, Fr., 8, 16 & 32 oz pags.....	oz	...	: 9.00
Bulg., 8, 16 & 32 oz pags.....	oz	8.00	: 9.00
Artificial, 1 lb bot.....	lb	2.00	: 3.00
Rosemary, USP, 27 1/2 lb. tins.....	lb	.42	: .46
1000 lb drums.....	lb	.35	: .40
Tech., 27 1/2 lb. tins.....	lb	.35	: .40
Rue, 1 lb bot.....	lb	...	: 4.25
Sandalwood, E. Ind. USP, 76 lb cases	lb	6.20	: 6.30
W. Indian, (Amrys) 25 lb tins..	lb	2.75	: 2.90
Sassafras, USP, 50 lb cans.....	lb	1.25	: 1.35
Artificial, 1000 lb drs., 60 lb cans	lb	.34	: .36
Savin, 5 lb tins.....	lb	2.50	: 2.75
Spearmin, USP, 60 lb cases.....	lb	2.75	: 2.85
Spruce, 50 lb tins.....	lb	.90	: 1.00
Tarney Amer., 20 lb tins.....	lb	3.25	: 3.50
Tar, 50 gal. bbls.....	gal	.25	: .26
Refined, USP 25 lb tins.....	lb	...	: ..
Thyme, red, USP, 25 lb tins.....	lb	.85	: 1.00
White, USP, 25 lb tins.....	lb	1.00	: 1.10
Tech., 110 lb drums.....	lb	.30	: .35
Vetiver, Bourbon, 1 lb bot.....	lb	11.00	: 14.00
Java, 1 lb bot.....	lb	30.00	: 32.00
Wine, heavy 1 lb bot.....	lb	...	: 1.50

<b>WINTERGREEN</b>			
Sweet beh., 25 lb tins.....	lb	2.50	: 3.00
Southern, 25 lb tins.....	lb	1.85	: 2.00
Gaultheria, true 25 lb tins.....	lb	7.00	: 8.00
Southern, 25 lb tins.....	lb	4.00	: 4.25
Synthetic, USP, 50 lb cases.....	lb	...	: .47
Wormwood Balt., USP, 25 lb tins..	lb	4.35	: 4.50
Wormwood dom., 25 lb tins.....	lb	3.50	: 4.00
<b>Ylang Ylang, Bourbon 10 lb tins</b>			
No. 1.....	lb	6.00	: 8.00
No. 2.....	lb	5.00	: 6.00
Manila, 1 lb bot.....	lb	28.00	: 40.00
Artificial, 1 lb bot.....	lb	10.00	: 12.00

## OLEORESINS

Aspidium, USP, 1 lb bot.....	lb	2.75	: 3.00
Capicum, USP, 5 lb bot.....	lb	2.00	: 2.25
Gliger, 5 lb bot.....	lb	3.35	: 3.60
Cubeb, USP, 1 lb bot.....	lb	4.50	: 4.75
<b>Malefern, See Aspidium</b>			
Orris 1 lb bot.....	lb	15.00	: 18.00
Pepper, black, USP, 1 lb bot.....	lb	3.50	: 4.00
Vanilla, 1 lb bot.....	lb	22.50	: 25.00

## Aromatic Chemicals

## NATURAL DERIVATIVES

Anethol, 2 lb bot.....	lb	1.25	: 1.75
Borneol, 1 lb bot.....	lb	...	: 3.50
CITRAL, 25 lb cans.....	lb	2.75	: 3.00
Citronellal, 1 lb bot.....	lb	2.00	: 2.25
EUCALYPTOL, USP, 25 lb cans.....	lb	.75	: .80
Eugenol, USP, 25 lb cans.....	lb	3.25	: 3.50
Geraniol, Domestic, 50 lb cans.....	lb	3.25	: 3.50
Imported, 5 lb bot.....	lb	3.75	: 4.50
Extra.....	lb	6.50	: 7.50
Iso-Eugenol, 1 lb bot.....	lb	4.50	: 5.00
Imported.....	lb	5.50	: 6.50
Linalol, 5 lb bot.....	lb	6.25	: 7.50
From Bois de Rose, 5 lb bot.....	lb	11.00	: 12.75
<b>MENTHOL, 60 lb cases.....</b>			
Less cases, 5 lb cans.....	lb	...	: 11.25
Rhodinol, 1 lb bot.....	lb	18.00	: 21.00
Extra, 1 lb bot.....	lb	40.00	: 47.00
SAFROL, 60 lb cans.....	lb	.45	: .47
Thymol, USP, 25 lb tins.....	lb	3.00	: 3.10

## SYNTHETIC AROMATICS

Acetaldehyde, 50% sol. pure, 5 lb bot..	lb	1.75	: 2.00
Acetophenone CP, 1 lb bot.....	lb	4.25	: 4.50
Aldehyde C-8 (Octyl), 1 lb bot.....	lb	45.00	: 60.00
Aldehyde, C-9 (Nonyl), 1 lb bot.....	lb	70.00	: 75.00
Aldehyde, C-10 (Decyl), 1 lb bot.....	lb	50.00	: 58.00
Aldehyde, C-12 (Dodecyl), 1 lb bot.....	lb	27.50	: 32.50
Aldehyde, C-14, 1 lb bot.....	lb	22.50	: 25.00
Aldehyde, C-16, 1 lb bot.....	lb	70.00	: 80.00
<b>Aubepine, see Anisic Aldehyde</b>			
Amyl Acetate, pure 5 gal. cans. gal	gal	4.00	: 4.25
Amyl Butyrate, 1 lb bot.....	lb	1.75	: 2.00
Amyl Cinnamate, 1 lb bot.....	lb	4.00	: 4.50
Amyl Formate, 1 lb bot.....	lb	1.50	: 1.75
Amyl Phenyl Acetate, 1 lb bot.....	lb	4.50	: 5.00
<b>AMYL SALICYLATE, dom. 100 lb</b>			
cbys.....	lb	1.45	: 1.60
Imported.....	lb	2.25	: 2.50
Amyl Valerate, 5 lb bot.....	lb	4.75	: 5.00
Anisic Aldehyde, 1 lb bot.....	lb	3.75	: 4.25
BENZALDEHYDE, USP, 40 lb ctyds	lb	1.50	: 1.60
FFC, 40 lb ctyds.....	lb	1.60	: 1.75
Benzal Ether, See Ethyl Benzalate			
Benzophenone, 1 lb bot.....	lb	6.75	: 7.00
Benzyl Acetate, 100 lb ctyds.....	lb	1.55	: 1.75

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## Aromatic Chemicals

Benzyl Alcohol, 5 lb. bot.	1.45	: 1.55
BENZYL BENZOATE, 5 lb. bot.	1.60	: 1.75
Medicinal FFC	1.75	: 2.00
Benzyl Butyrate, C.P., 1 lb. bot.	5.50	: 6.00
Benzyl Cinnamate, 1 lb. bot.	10.00	: 10.50
Benzyl Formate, 1 lb. bot.	3.00	: 3.25
Benzyl Propionate, 1 lb. bot.	5.00	: 5.25
Boreryl Acetate, 1 lb. bot.	3.00	: 3.50
Bromstyrol, 25 lb. kegs	3.00	: 4.00
Butyl Anthranilate, 1 lb. bot. dom.		: 16.00
Butyric Ether, See Ethyl Butyrate		
Cinnamic Acid, 5 lb. cans.	3.00	: 3.25
Cinnamic Alcohol, Liquid 1 lb. bot.	9.00	: 9.50
Crystallizable	9.50	: 10.00
Cinnamic Aldehyde	3.50	: 3.75
CITRONELLOL, 1 lb. bot.	9.00	: 11.00
Imported, 1 lb. bot.	10.00	: 12.00
Citronellyl Acetate, 1 lb. bot.	13.00	: 14.00
COUMARIN, 25 lb. cans.	3.40	: 3.65
DIETHYL PHTHALATE, 25 lb. cans	.50	: .55
1000 lb. drs.	.40	: .45
Diphenyl oxide, 25 lb. tins.	.85	: .90
Ethyl Acetate, pure, 5 lb. bot.	.45	: .50
Ethyl Benzoate, 5 lb. bot.	1.85	: 2.00
Ethyl Butyrate, 5 lb. bot.	1.75	: 2.00
Ethyl Caproate, 1 lb. bot.	3.25	: 3.50
Ethyl Cinnamate, 1 lb. bot.	8.50	: 3.75
Ethyl Formate, 5 lb. bot.	2.00	: 2.10
Ethyl-methyl Paracresol, 1 lb. bot.	3.25	: 3.50
Ethyl Phenylacetate, 5 lb. bot.	3.75	: 4.00
Ethyl Propionate, 1 lb. bot.	2.25	: 2.50
Ethyl Valerate, 5 lb. bot.	4.50	: 4.75
Ethyl Salicylate, 5 lb. bot.	3.25	: 3.50
Formic Ether, See Ethyl Formate		
Geranyl Acetate, 1 lb. bot.	5.00	: 5.50
Geranyl Butyrate, 1 lb. bot.	13.00	: 13.50
Geranyl Formate, 1 lb. bot.	12.00	: 12.50
Heliotropin, dom., 100-10 lbs.	1.85	: 2.00
Imported	2.50	: 2.75
Hydroxycitronellal, 1 lb. bot.	12.00	: 14.00
Indol, C.P., 1 oz. bot.	6.00	: 6.50
Iosone, 1 lb. bot. 100%	10.00	: 11.00
Alpha	14.50	: 16.00
Beta	12.75	: 14.50
Methyl	16.00	: 18.90

Iso-Butyl Benzoate, 5 lb. bot.	4.75	: 5.00
Iso-Butyl, 1 lb. bot. imported.	5.25	: 5.50
Domestic, 5 lb. bot.	4.00	: 4.25
Linyl Acetate, 1 lb. bot. Dom.	8.00	: 9.50
Imp., 1 lb. bot.	8.00	: 8.50
Linyl Benzoate, 1 lb. bot.	13.00	: 14.00
Linyl Formate, 5 lb. bot.	10.50	: 12.00
Methyl Acetophenone	4.75	: 5.00
METHYL ANTHRANILATE dom., 1 lb. bot.	2.75	: 3.25
Imported	4.50	: 5.00
Methyl Benzoate, 5 lb. bot. import.	2.00	: 2.25
Domestic, 5 lb. bot.	1.75	: 2.00
Methyl Cinnamate, 1 lb. bot.	3.60	: 3.75
Methyl Heptenone, 1 lb. bot.	8.00	: 8.25
Methyl Paracresol, 1 lb. bot.	8.00	: 9.00
Methyl Phenylacetate, 5 lb. bot. dom.	3.75	: 4.00
METHYL SALICYLATE, USP 500 lb drums		: .45
50 lb cases		: .47
Second Hands	.44	: .45
Mirbane, rect., 1000 lb drums.	12 1/2	: 14
Musk Ambrette, 1 lb. cans.	15.00	: 16.00
Musk Ketone, 1 lb. cans	17.75	: 19.00
Musk Xylene, 5 lb. cans	4.50	: 5.00
Nerolin, 1 lb. cans	1.05	: 2.00
Oenanthalic Ether, 1 lb. bot.	1.60	: 2.00
Phenylacetaldehyde, Dom., 1 lb. bot.	8.00	: 10.00
Imported	8.00	: 9.00
80-85 p.c.	15.00	: 18.00
Phenylacetic Acid, 1 lb. bot.	3.00	: 3.25
Phenyl Diacetate, 1 oz. bot.	3.25	: 3.50
PHENYLETHYLALCOHOL dom., 1 lb. bot.	8.00	: 10.00
Imported	8.00	: 9.00
Phenylethyl Butyrate, 1 lb. bot.	26.00	: 28.00
Phenylethyl Formate, 1 lb. bot.	19.00	: 21.00
Phenylethyl Propionate, 1 lb. bot.	20.00	: 24.00
Phenylethyl Valerate, 1 lb. bot.	25.00	: 29.00
Phenylpropylalcohol, 1 lb. bot.	15.00	: 16.00

Skatol, 1 oz. bot.	7.00	: 7.25
Terpinyl Acetate, 25 lb. cans.	1.65	: 1.85
Imported, 25 lb. cans.	1.90	: 2.20
TERPINEOL, C.P., 1000 lb drums	.48	: .50
Cans, 50 lb.	.53	: .57
Absolute, 25 lb. cans	.90	: 1.15
Imported, 25 lb. cans	1.10	: 1.20
VANILLIN, USP, 500 oz. cans.	.49 1/2	: .51
Cans, 16 oz., 80 oz.	.50	: .51
Second Hands	.42 1/2	: .45
Valerianic Ether, See Ethyl Valerate		
Yara Yara, 1 lb. cans.	1.75	: 2.00

## PERFUMERS' SUNDRIES

Almond Meal, 25 lb. cans.	.28	: .30
Ambergris, black, bxs.	8.00	: 10.00
Ambergris, gray, bxs.		: 26.00
Balsam Copaiba, Para, 80 lb. cases	.28	: .30
South American, 80 lb. cases	.35	: .37
Balsam Peru, 120 lb. cases	1.80	: 1.90
Balsam Tolu, 90 lb. cases	1.75	: 1.85
Benzoin Gum, Stam, bxs.	1.30	: 1.35
Castoreum, 1 lb. bot.	4.00	: 4.50
Chalk, precip. light, 175 lb. bbls.	.04 1/2	: .05
Cherry Laurel Water, 5 gal. cans. gal.	1.15	: 1.25
Civet Abyssin, horns.	2.75	: 3.75
Labdanum, 5 lb. bot.		: 8.00
Lanolin hydrous, 350 lb. bbls.	.21	: .22
Anhydrous, 350 lb. bbls.	.23	: .24
Musk pods, Cabardine, tins.	16.00	: 17.00
Tonquin, tins	22.00	: 25.00
Grains, Cabardine, tins.	25.00	: 28.00
Tonquin, tins	35.00	: 38.00
Synthetic, See Aromatic Chemicals		
Orris Rt. Flor., powd. bbls.	.09	: .10
Verona, bbls.	.05	: .06
Petrolatum, snow white 350 lb. bbls.	.12 1/2	: .13
Light Amber, 350 lb. bbls.	.04 1/2	: .05
Rice Starch, 140 lb. bgs.	.09	: .10
Rose Water, 6 2-3 gal. cys.	1.00	: 1.25
Sandalwood chips, powd., bags.	.30	: .35
Saponin, 5 lb. tins.	1.25	: 1.50
Talc Italian, 220 lb. bags.	40.00	: 50.00
Talc French, 220 lb. bags.	22.00	: 45.00
Talc, domestic ref., 100 lb. bags.	10.00	: 18.00

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**ACIDS**—Carbolic, 10 drs., Lunham & Reeve, Antwerp; Cresylic, 1 drum, Lunham & Reeve, Antwerp; Formic, 140 bxs., R. W. Greeff & Co., Rotterdam; Oxalic, 40 cks., Seaboard Nat. Bk., Hamburg; Fluor Silico, 60 bbls., Order, Hamburg

**AGAR AGAR**—15 bbls., Shima Trdg. Co., Osaka; 10 bbls., Lee Higginson & Co., Kobe; 10 bbls., Wood & Selick, Kobe; 20 bbls., Kidder Peabody Acceptance Corp., Kobe; 10 bbls., Mitsui & Co., Kobe

**ALBUMEN**—28 cs., S. W. Bridges & Co., Shanghai; Egg, 54 cs., Mech. & Metals Nat. Bk., Tientsin; 17 cs., Mech. & Metals Nat. Bk., Tientsin; 88 cs., French Kreme & Co., Shanghai; 18 cs., Stein Hall & Co., Shanghai; 336 cs., Fearon Daniel Co., Shanghai; 67 cs., Internatl. Bkg. Corp., Shanghai

**ALCOHOL**—100 bbls., C. Esteve, San Juan; Denatured, 200 bbls., 35 drs., Order, Arecibo

**ALDES**—50 cs., Amer. Trdg. Co., Curacao

**AMMONIUM-Carbonate**, 32 cks., Lo Curto & Funk, Glasgow; 20 cks., Order, Liverpool; Nitrate, 435 cks., 189 cks., Kuttroff Pickhardt & Co., Hamburg

**ARGOLS**—122 bgs., C. Pfizer & Co., Rotterdam; 114 cks., Tartar Chem. Wks., Catania; 24 cks., U. S. Navigation Co., Hamburg

**ARSENIC**—200 cks., Order, Kobe; 200 cks., R. W. Greeff & Co., Hamburg; 100 cs., Kuhara Trdg. Co., Osaka; 160 cs., Frazar & Co., Kobe

**BARK**—4,357 bgs., Tannin Corp., Durban

**CALCIUM-Chloride**, 76 drs., C. Hardy, Inc., Hamburg

**CAMPHOR**—90 bbls., Nixon Nitration Wks., Hamburg; 200 cs., Hetherman & Co., Shanghai; 100 cs., Stallman Co., Kobe

**CASEIN**—343 bgs., Order, Buenos Aires

**CINCHONIDINE**—80 cs., R. W. Greeff & Co., Rotterdam

**CINCHONINE**—20 cs., R. W. Greeff & Co., Rotterdam

**COLORS**—3 cs., O. Hommel Co., Bremerhaven; 2 bbls., H. A. Metz & Co., Bremerhaven; 1 bbl., Carbic Color & Chem. Co., Bremerhaven; 2 bbls., Kuttroff Pickhardt & Co., Bremerhaven; 10 bbls., H. R. Jahn, Bremerhaven; 1 bbl., Amer. I. Products Co., Bremerhaven; 1 ck., Franklin Imp. & Exp. Co., Bremerhaven; 4 bbls., Order, Bremerhaven; 40 pgs., Ciba Co., Inc., Havre; 2 cs., Sirmac Color Co., Havre; 60 cylinders, Sandoz Chem. Wks., Havre; 12 cks., Irving Bk., Genoa; 2 cks., H. A. Metz & Co., Rotterdam; 60 cks., 1 cse., Kuttroff Pickhardt & Co., Rotterdam; 1 ck., Brown Bros. & Co., Rotterdam; 1 bbl., Amer. Exch. Nat. Bk., Antwerp; 10 cs., Yglesias & Co., Tampico; 11 bbls., Wallerstein Lab., Havre; 2 bbls., Fezardie & Sperrle, Hamburg; 10 cks., Sherwin Williams Co., Southampton; 15 cks., Amer. Exch. Nat. Bk., Southampton

**CUPERS**—19 bgs., Amsinck Sonne & Co., Singapore

**DEXTRINE**—100 bgs., Spier Simmons & Co., Rotterdam

**DIVI DIVI**—700 bgs., Standard Commodities Co., Pampatar; 614 bgs., Eggers & Heinlein, Pampatar

**EPSOM SALTS**—40 bbls., Brown & Roese, Hamburg; 1,000 bgs., Diener Blank & Co., Hamburg

**FLOWERS**—79 bbls., Order, Antwerp; 103 bgs., Order, Marseilles; Chamomile, 5 bbls., Banque Belge pour l'Etranger, Antwerp; 40 bbls., Karuchin Drug Co., Hamburg; Pyrethrum, 30 bbls., Order, Trieste; Saffron, 3 sks., Order, Alexandria

**GAMBIER**—776 cs., Order, Singapore

**GUMS**—50 cks., Order, London; Chiclé, 299 bgs., Chiclé Development Co., Belize; 86 bbls.,

A. Ward, Belize; Copal, 40 bgs., Order, Antwerp; 20 bgs., Chem. Nat. Bk., London; 13 bgs., S. Winterbourne & Co., London; 3 cs., 180 bgs., Innes & Co., Manila; 210 bgs., Brown Bros. & Co., Antwerp; 50 cs., 64 bgs., Guaranty Trust Co., Singapore; 50 bgs., Chem. Nat. Bk., Singapore; 64 bgs., Order, Singapore; Damar, 50 cs., Baring Bros., Singapore; 100 cs., Order, Singapore; 192 bgs., Order, Singapore; Kauri, 2 bgs., 1 cse., Davies Turner & Co., London; Perillo, 279 bbls., W. Wrigley, Jr. Co., Puerto Colombia

**HERBS**—5 bbls., Peek & Velsor, Antwerp; 4 bbls., A. C. Vanderpool Co., Hamburg; 5 bgs., S. B. Penick & Co., Bremerhaven

**ICHTHYOL**—32 cks., Merck & Co., Hamburg

**IRON-Chloride**, 35 bbls., Roessler & Hasslacher Chem. Co., Hamburg

**IRON OXIDE**—7 cks., Order, Bristol; 21 cks., L. H. Butcher & Co., Liverpool; 26 cks., J. A. McNulty, Liverpool; 6 cks., Reichard Coulson, Inc., Liverpool; 5 cks., Order, Liverpool; 146 bbls., Reichard Coulson, Inc., Malaga; 20 bbls., C. J. Osborn Co., Malaga

**JUICE-Lime**, 5 runs, 200 cs., J. P. Smith & Co., London; 5 cks., Planters Produce Co., Dominica; 30 hhds., Middleton & Co., Dominica

**LANOLIN**—8 cks., L. A. Solomon & Bros., Havre

**LEAVES-Coca**, 51 bbls., Haywood Chem. Wks., Salaverry; Henna, 61 bgs., Order, Marseilles; Laurel, 100 bbls., Order, Leghorn; Sage, 10 bbls., Brown Bros. & Co., Trieste; 130 bbls., Order, Trieste

**MENTHOL**—5 cs., Order, London; 20 cs., Equit. Trust Co., Hamburg; 5 cs., Order, Hamburg; 5 cs., Order, Hamburg; 25 cs., S. W. Bridges Co., Kobe; 5 cs., Equit. Trust Co., Kobe; 10 cs., T. Takata, Kobe

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**NUX VOMICA**—400 pkts., McKesson & Robbins, London

**OILS**—Coconut, 993 tons, Order, Singapore; Cod, 50 bbls., Order, Liverpool; **Codliver**, 100 bbls., Penn. R. R. Co., Rotterdam; **Haarlem**, 2 drs., H. R. Lathrop & Co., Rotterdam; **Palm**, 556 drs., Order, Antwerp; **Perilla**, 5 bbls., Wilbur Ellis Co., Dairen; **Sesame**, 1 bbl., Morana, Inc., Marseilles; **Wood**, 150 bbls., Viele Blackwell & Brick, Shanghai; 500 bbls., Gillespie & Sons, Shanghai; 200 bbls., M. B. K., Hankow; 50 drs., Devoc & Reynolds, Shanghai

**OILS, ESSENTIAL**—5 cs., Orbis Products Trdg. Co., Havre; 67 cs., J. H. Faunce, Inc., Rotterdam; 6 cs., Polaks Frutal Wks., Rotterdam; 67 cs., J. H. Faunce, Inc., Rotterdam; 200 cs., Order, Messina; 14 cs., Order, Catania; 4 cs., L. A. Vandyk, Grasse; 10 bbls., P. R. Dreyer, Grasse; 2 cs., G. V. Grass, Grasse; 2 cs., Order, Marseilles; 6 cs., Roure Bertrand Fils, Southampton; 25 cs., Guaranty Trust Co., Singapore; 3 cs., B. E. Widdup, Singapore; **Bay**, 10 cs., Order, Arroyo; **Camphor**, 15 drs., Chem. Nat. Bk., Kobe; 50 drs., Metropolitan Trust Co., Kobe; **Cassia**, 5 drs., Equit. Trust Co., Hongkong; **Citronella**, 2 drs., Order, London; **Fusel**, 3 bbls., Amer. Exp. Co., Rotterdam; **Geranium**, 1 ck., Morana, Inc., Marseilles; **Juniper**, 2 cs., Fritzsche Bros., Inc., Genoa; **Berry**, 5 cs., C. L. Huisking, Inc., Rotterdam; **Linaloe**, 4 drs., Order, Vera Cruz; **Orange**, 60 cs., Order, Kingston; **Ylang Ylang**, 4 cs., Goldman Sachs & Co., Manila

**POTASSIUM SALTS**—31 bbls., A. Klipstein & Co., Hamburg; **Alum**, 250 cs., Superfos Co., Rotterdam; 37 cs., A. Klipstein & Co., Rotterdam; 100 cs., Cooper & Cooper, Hamburg; **Bicarbonate**, 4 cs., Jungmann & Co., Rotterdam; **Bromide**, 210 cs., 53 bbls., Order, Hamburg; 400 cs., Order, Hamburg; **Carbonate**, 25 bbls., Order, Hamburg; **Caustic**, 201 drs., Roessler & Hasslacher Chem. Co., Hamburg; 343 drs., Amer. Exch. Nat. Bk., Hamburg; 430 drs., A. Klipstein & Co., Hamburg; **Chlorate**, 1,500 cs., Irving Bk., Hamburg; **Hydrate Carbonate**, 62 bbls., Innis Speiden & Co., Hamburg; **Nitrate**, 1,016 bgs., Kuttroff Pickhardt & Co., Rotterdam; **Muriate**, 1 lot in bulk, Potash Imp. Corp., Hamburg; 3,000 bgs., Potash Imp. Corp., Bremerhaven; **Prussiate**, 19 cs., Innis Speiden & Co., Rotterdam; **Sulfate**, 1,000 bgs., Ste. Comm. Des Potasses D'Alsace, Antwerp

**QUININE**—8 cs., R. W. Greeff & Co., Rotterdam; 6 cs., W. Van Doorn, Rotterdam

**ROCHELLE SALTS**—40 kgs., C. B. Richard & Co., London

**ROOTS**—29 bbls., Order, Trieste; **Broom**, 84 bbls., Order, Vera Cruz; **Ipecac**, 10 bgs., Hollinghurst & Co., Panama; **Jalap**, 1 bkg., Order, Vera Cruz; **Sarsaparilla**, 50 bbls., D. L. Bretzfelder & Bro., Tampico; 10 bbls., Lanman & Kemp, Tampico; 16 bbls., Atlantic Transport Line, Cristobal; 30 bbls., D. L. Bretzfelder & Bro., Tampico

**SAL AMMONIAC**—26 cs., Roessler & Hasslacher Chem. Co., Rotterdam; 2 bbls., 37 cs., Roessler & Hasslacher Chem. Co., Hamburg

**SAPONIN**—10 cs., Pfaltz & Bauer, Hamburg

**SALTPETRE**—20 bgs., Kuttroff Pickhardt & Co., Hamburg

**SEEDS**—Caraway, 100 bbls., Sokel Co., Rotterdam; 100 bbls., Ideal Trdg. Co., Rotterdam; 50 bgs., Spencer Import Co., Rotterdam; 50 bbls., Jaburg Bros., Rotterdam; 25 bgs., G. T. German, Rotterdam; 25 bgs., Knickerbocker Mills Co., Rotterdam; 50 bgs., W. Tappenbeck, Rotterdam; 50 bgs., Order, Rotterdam; **Cardamom**, 5 cs., C. B. Richard & Co., London; **Flax**, 52,953 bgs., A. Quantity, Order, Rosario; 87,011 bgs., Spencer Kellogg & Sons, Rosario; 16,933 bgs., Spencer Kellogg & Sons, Buenos Aires; 2,638,954 kilos, Order, Santa Fe; 57,320 bgs., 59,065 kilos, Order, Rosario; 18,822 bgs., Order, Buenos Aires; **Mustard**, 214 bgs., Order, Hamburg; **Poppy**, 100 bgs., Order, Rotterdam; **Rape**, 100 bbls., G. Dunn, Rotterdam; **Sesame**, 780 bgs., Wah Chang Trdg. Corp., Shanghai

**SHELLAC**—Sticklac, 106 cs., Brown Bros. & Co., Singapore; 588 cs., Order, Bangkok; 118 cs., Order, Hamburg; 168 cs., Order, Singapore

**SODIUM SALTS**—**Bisulfite**, 1 cs., Lionel Haegenars Co., Antwerp; **Bromide**, 25 cs., J. Rudloff, Hamburg; **Carbonate**, 7 cs., T. J.evin, London; **Caustic**, 20 drs., Order, Gothenburg; **Chlorate**, 72 cs., Globe Shpg. Co., Antwerp; **Cyanide**, 348 drs., 112 cs., Order, Liverpool; **Hydrosulfite**, 160 cs., Kuttroff Pickhardt & Co., Rotterdam; **Hyposulfite**, 100 cs., Order, Hamburg; **Nitrate**, 7,333 bgs., E. I. du Pont de Nemours & Co., Iquique; 11,715 bgs., Antony Gibbs & Co., Iquique; **Nitrite**, 25 cs., Kuttroff Pickhardt & Co., Hamburg; **Prussiate**, 23 cs., C. Tennant Sons & Co., Liverpool

**TERPINEOL**—14 drs., Pfaltz & Bauer, Rotterdam

**TETRACHLORETHANE**—108 drs., Roessler & Hasslacher Chem. Co., Hamburg

**THYMOL**—3 cs., Kachurin Drug Co., Hamburg

**VANILLA BEANS**—31 cs., Brown Bros. & Co., Havre; 13 cs., Bk. of N. Y. & Trust Co., Havre; 24 cs., G. Lueders & Co., Havre; 28 cs., Thurston & Braidich, Vera Cruz; 24 cs., Gomez & Sloan, Vera Cruz; 36 cs., Dodge & Olcott Co., Vera Cruz; 9 cs., Dodge & Olcott Co., Genoa; 21 cs., Order, Genoa; 12 cs., Gomez & Sloan, Vera Cruz; 22 cs., Dodge & Olcott, Vera Cruz

**VERONAL SALTS**—2 cs., Kachurin Drug Co., Hamburg

**WAX**—1 cs., Order, Mayaguez; 25 pgs., Guaranty Trust Co., Valparaiso; 9 bgs., Internl. Bkg. Corp., Sanchez; **Bees**, 9 bgs., G. F. Preston, San Juan; 12 bgs., R. Desvernine, Baracoa; 40 bgs., Order, Baracoa; 139 sks., Duncan Fox & Co., Valparaiso; 2 bgs., A. Hurst & Co., Southampton; 26 bgs., Order, Havana; 51 bgs., Amer. Trading Co., Rio de Janeiro; 50 cs., Brown Bros. & Co., Hamburg; **Carnauba**, 111 bgs., Amer. Trdg. Co., Antwerp; **Montan**, 250 bgs., Coal & Iron Natl. Bk., Hamburg; **Spermaceti**, 50 cs., Order, Glasgow; **Vegetable**, 75 cs., Nat. City Bk., Kobe

**WOOL GREASE**—200 bbls., Pfaltz & Bauer, Bremerhaven; 100 bbls., Amer. Exch. Nat. Bk., Bremerhaven

**ZINC**—Resinate, 20 cs., Order, London

## IMPORTS AT PHILADELPHIA

July 2 to 9

**CALCIUM**—Chloride, 455 drums, Order, Hamburg

**CHEMICALS**—5 casks, Order, Hamburg

**CLAY**—Blue, 200 tons, J. W. Hampton, Jr., Co., London

**FLUORSPAR**—114 tons, 17 cwt., Shimer & Co., Manchester

**GLUESTOCK**—347 bales, C. Laughton Co., Constantinople

**KAINIT**—60,467 kilos, Order, Hamburg

**LITHOPONE**—40 casks, A. Klipstein & Co., Antwerp

**MAGNESIUM**—Chloride, 736 drums, Brown Bros. & Co., Hamburg; 355 drums, Order, Hamburg

**MANURE SALT**—435,600 kilos, Ste. Commerciale des Potasses D'Alsace, Antwerp; 450,000 kilos, Potash Importing Co., Bremen

**NAPHTHALENE**—Flake, 78 casks, Corn Exchange Nat. Bk., Hamburg

**OIL**—Cod, 100 bbls., Order, Genoa; **Olive**, 203 bbls., Order, Messina; 100 cases, Order, Barcelona; **Olive Sulfur**, 200 bbls., Order, Palermo; 100 bbls., Phila. Nat. Bank, Leghorn; **Palm**, 235 casks, African & Eastern Trading Co., Hamburg

**POTASH**—Caustic, 25 drums, American Exchange Nat. Bank, Hamburg; 30 casks, Order, Hamburg; **Muriate**, 1,750 bags, Ste. Commerciale des Potasses D'Alsace, Antwerp; 900 bags, Order, Hamburg; 2,506 bags, Potash Importing Co., Bremen

**SAL AMMONIAC**—56 casks, Koons, Wilson & Co., Hamburg

**SALT**—254,000 kilos, Corn Exchange Nat. Bk., Hamburg

**SALTS**—Bitter, 475 bags, Koons, Wilson & Co., Hamburg

**SODIUM**—Bifluoride, 26 casks, Order, Hamburg; **Nitrate**, 23 casks, Daniel Minegna, Hallstarrick; 125,098 bags, E. I. du Pont de Nemours & Co., Iquique

**SUMAC**—100 bbls., Order, Palermo

**SYLVANITE**—181,440 kilos, Ste. Commerciale des Potasses D'Alsace, Antwerp

## IMPORTS AT BOSTON

July 5 to 12

**BARIUM**—Chloride, 78 pks., Eugene Suter & Co., Hamburg

**GARNET LAC**—75 cases, Order, Calcutta

**GLAUBER'S SALT**—133 casks, Brewer & Co., Hamburg

**GUM**—262 bags, Order, Calcutta

**KIROLLOE**, 200 bags, Order, Calcutta

**MAGNESIUM**—Carbonate, 336 bags, Rowland Marcellis, Liverpool; **Chloride**, 210 drums, Roessler & Hasslacher Chem. Co., Hamburg

**OIL**—Cod, 41 casks, C. M. Geiler, Halifax

**PUMICE**—250 bags, Order, Calcutta

**SODIUM**—Silicate, 160 casks, Brown Bros. & Co., Rotterdam; 40 casks, Norton & Co., Liverpool; **Sulfate**, 115 pks., Innis Speiden & Co., Liverpool

**SPICES**—Cassia, 100 lbs., Order, Oriental Ports

**STICK LAC**—290 cases, Order, Calcutta

**WAX**—Montan, 1,000 bags, Order, Hamburg

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**WELL KNOWN RESEARCH CHEMIST** desires consultation or permanent position in colloids, drugs, pharmaceuticals, textiles. Highest American references for chemical skill, personal integrity and business capacity. Extensive patent record. Broad experience in finding and establishing new products and processes. Able negotiator. Can furnish laboratory if required. Box 778, **DRUG & CHEMICAL MARKETS**.

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**CHEMICAL SALESMAN**—With college education (some chemistry) three years experience, good personality, hard worker, familiar with New York and New Jersey trade; has handled general line of industrial chemicals, high references and wide personal acquaintance. Box 774, **DRUG & CHEMICAL MARKETS**.

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**DYESTUFF EXECUTIVE** requires a secretary, a man of 25 or 26, who is familiar with the dyestuff business and who has had a clean record in the trade. Write giving age, experience, education, salary desired, and other facts to Box 107, **DRUG & CHEMICAL MARKETS**.

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A **GROWING WHOLESALE** and manufacturing concern in Bakers' and Confectioners' supplies desires a chemist who is willing to invest money and services in an established business operating four years. Box 101, **DRUG & CHEMICAL MARKETS**.

A **MAN** who controls the job you want is most apt to be a regular reader of this column. For real positions in the chemical, drug, dye, oil and allied fields no medium brings better results than these Wants and Offers—5c a word.

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**SALESMAN WANTED** to handle Naphthalene to the drug trade. Full particulars as to past experience, education and references. Box 115, **DRUG & CHEMICAL MARKETS**.

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DRUGS AND CHEMICALS

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Messrs. Gebr. Waaning Tilly, from Haarlem (Holland) write to us on the 23rd of October, 1922:—

"We received through our Agents, the Registered Deed of the declaration of ownership of our Trade Mark and Proprietary Name, and are pleased to inform you that the same has been found correct and the work done by you to our entire satisfaction.

"If any of our friends should be desirous of having his trademark also registered in India, we shall certainly recommend him your firm."

The Huntley Manufacturing Co., from Silver Creek, N. Y., U. S. A., write to us on the 5th of January, 1923:—

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